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Product Family	Product	Part Number	Product Type	Product Description	Applications	Electrical Specifications	Package Types
NJG	NJG11xx	NJG1101F	GaAs MMIC/AGC Amp	Wide Band AGC Amplifier GaAs MMIC	Cell Phones	f=850MHz-2.5GHz, Gcont=40dB, Ga=18dB, P-1=1.5dBm, IDD=10mA	MTP6
		NJG1102F1	GaAs MMIC/LNA	Low Noise Amplifier GaAs MMIC	Cell Phones	f=800MHz, Ga=17dB, NF=1.4dB, I=3.0mA	MTP6-1
		NJG1103F1	GaAs MMIC/LNA	Low Noise Amplifier GaAs MMIC	Cell Phones	f=1.5GHz-1.9GHz, At 1.5GHz: Ga=16dB, NF=1.2dB, I=3.0mA. At 1.9GHz: Ga=14dB, NF=1.4dB, I=3.0mA.	MTP6-1
		NJG1104KB2	GaAs MMIC/LNA	800 MHz Band LNA GaAs MMIC	Cell Phones	f=800MHz, I=6mA, Ga=15dB, IIP3=5dBm (Max@Vcont=1.5V), Ga=-10dB, IIP3=20dBm (@Vcont=0.2V)	FLP6-B2
		NJG1105F	GaAs MMIC/LNA	1.9/2.1 GHz Band High Gain LNA GaAs MMIC	Cell Phones	f=1.9GHz-2.1GHz	
		NJG1106KB2	GaAs MMIC/LNA	800 MHz Band LNA GaAs MMIC	Cordless Phones	f=800MHz, Ga=17dB, NF=1.4dB	FLP6-B2
		NJG1107KB2	GaAs MMIC/LNA	1.5/1.9 GHz Band LNA GaAs MMIC	Cell Phones	f=1.5GHz-1.9GHz, Ga=15dB, NF=1.4dB	FLP6-B2
		NJG1110PB1	GaAs MMIC/LNA	PDC Dual Band LNA GaAs MMIC	Cell Phones	f=800 MHz & 1.5 GHz, Ga=18dB, NF=1.2dB, IIP3=10dB (800 MHz) & 13dB (1.5GHz), Idd=2.7mA	FFP12-B1
		New!	NJG1112PB1	GaAs MMIC/LNA	PDC Dual Band LNA GaAs MMIC	Cell Phones	Refer to datasheet
	NJG13xx	NJG1301V	GaAs MMIC/Power Amp	Medium Power Amplifier GaAs MMIC	Cell Phones	f=1.9GHz, Po=21dBm, Ga=23dB, Pacp (600kHz)=-60dBc, IDD=185mA, VDD=3V, I/O Internal Matching	SSOP14
		NJG1302V	GaAs MMIC/Power Amp with AGC	Medium Power Amplifier GaAs MMIC	Cell Phones	f=1.9GHz, Po=21dBm, Ga=23dB, Pacp (600kHz)=-60dBc, IDD=185mA, VDD=3V, I/O Internal Matching	SSOP14
		NJG1304E	GaAs MMIC/Power Amp	Medium Power Amplifier GaAs MMIC	Cell Phones	Refer to datasheet	
		NJG1307R	GaAs MMIC/Driver Amp with AGC	Driver Amplifier GaAs MMIC	Cell Phones	f=800MHz/1.5GHz/1.9GHz, Po=11/10/8dBm, G=33/30/25dB (800MHz/1.5GHz/1.9GHz), Pacp (50kHz)=-60dBc, IDD=25mA, VDD=3V	VSP8
		NJG1308F	GaAs MMIC/Driver Amp	Driver Amplifier GaAs MMIC	Cell Phones	f=800MHz/1.5GHz/1.9GHz, Po=8dBm, Pacp (50kHz)=-60dBc, IDD=15mA, VDD=3V, Ga=18/16/15dB (800MHz/1.5GHz/1.9GHz)	MTP6
		NJG1309VB2	GaAs MMIC/Power Amp with AGC	Transmitting Power Amplifier GaAs MMIC	Cell Phones	f=1.9GHz, Po=21dBm, Ga=37dB, Gcont=26dB, Pacp (600kHz)=60dBc, IDD=150mA, VDD=3V I/O Matching, Single Positive Supply Voltage	SSOP20-B2

NJG15xx	NJG1311PC1	GaAs MMIC/Switch+ Driver Amp	SPDT Switch Driver Amplifier GaAs MMIC	Cell Phones	f=800MHz, Ga=19dB, Gstep=27dB, P-1=10dBm	FFP16-C1
	NJG1312PC1	GaAs MMIC	SPDT Switch Driver Amplifier GaAs MMIC	Cell Phones	f=900MHz, Ga=19dB, Gcont=-27dB, P-1dB=10dBm, VDD=2.9V, IDD=17mA, RF SW ON/OFF	FFP16-C1
	NJG1505R	GaAs MMIC/SPDT Switch	SPDT Switch GaAs MMIC	Cell Phones	f=0.1GHz-2.5GHz, Iso=47/37dB (0.1GHz-1GHz/1GHz-2GHz), Loss=0.6/0.8dB (1/2GHz), P-1=22dBm, Vctl=2.7V	VSP8
	NJG1506R	GaAs MMIC/SPDT Switch	SPDT Switch GaAs MMIC	Cell Phones	f=0.1GHz-2.5GHz, Loss=0.3/0.5dB (1/2GHz), Iso=28dB (1GHz), P-1=22dBm, Vctl=3V	VSP8
	NJG1507R	GaAs MMIC/SPDT Switch	SPDT Switch GaAs MMIC	Cell Phones	f=0.1GHz-2.5GHz, Loss=0.4/0.5dB (1/2GHz), P-1=27dBm (2GHz), Vctl=3V	VSP8
	NJG1508F	GaAs MMIC/SPDT Switch	SPDT Switch GaAs MMIC	Cell Phones	f=0.1GHz-2.5GHz, Smaller package type of NJG1506R	MTP6
	NJG1509F	GaAs MMIC/SPDT Switch	SPDT Switch GaAs MMIC	Cell Phones	f=0.1GHz-2.5GHz, Smaller package type of NJG1507R	MTP6
	NJG1512V	GaAs MMIC/SPDT Switch	SPDT Switch GaAs MMIC	Cell Phones	f=0.1GHz-2.5GHz, Iso=46dB (0.1GHz-2GHz), Loss=0.6/0.8dB (1/2GHz), P-1=22dBm, Vctl=2.7V	SSOP14
	NJG1515AVB2	GaAs MMIC/2x6 Power Switch	TDMA Antenna Switch GaAs MMIC	Cell Phones	f=800MHz-1.5GHz. At 800MHz, TX: Loss=0.5dB (Pin=30dBm), Iso=29dB, TX: Loss=0.65dB (Pin=30dBm), Iso=33dB, 3-Bit Control. At 1.5GHz, TX: Loss=0.65dB (Pin=30dBm), Iso=33dB, 3-Bit Control.	SSOP20-B2
	NJG1516KC3	GaAs MMIC/SPDT Switch	SPDT Switch GaAs MMIC	Cell Phones	f=0.1GHz-2.0GHz, Loss=0.35dB, P-0.2=35dBm (@ f=2GHz)	FLP6-C3
	NJG1516R	GaAs MMIC/SPDT Switch	SPDT Switch GaAs MMIC	Cell Phones	f=0.1GHz-2.0GHz, Loss=0.35dB, P-0.2=35dBm (@ f=2GHz)	VSP8
	NJG1517KB2	GaAs MMIC/SPDT Switch	SPDT Switch GaAs MMIC	Cell Phones	f=0.1GHz-2.5GHz, Very small package type of NJG1508R without capacitor	FLP6-B2
	NJG1518KB2	GaAs MMIC/SPDT Switch	SPDT Switch GaAs MMIC	Cell Phones	f=0.1GHz-2.5GHz, Very small package type of NJG1509R without capacitor	FLP6-B2
	NJG1519KC1	GaAs MMIC/SPDT Switch	SPDT Switch GaAs MMIC	Cell Phones	f=900MHz-1.9GHz. At 900MHz, Loss=0.55dB, Iso=25dB, P-0.5dB=36dBm, 4-Bit Control. At 1.9GHz, Loss=0.7dB, Iso=20dB, P-0.5dB=36dBm, 4-Bit Control.	FLP10-C1
	NJG1520PE1	GaAs MMIC/2x6 Power Switch	TDMA Antenna Switch GaAs MMIC	Cell Phones	f=800MHz-1.5GHz. At 800MHz, TX: Loss=0.5dB (Pin=30dBm), Iso=27dB, 3-Bit Control. At 1.5GHz, TX: Loss=0.55dB (Pin=30dBm), Iso=30dB, 3-Bit Control.	FFP24-E1

	NJG1521PE1	GaAs MMIC/2x6 Power Switch	TDMA Antenna Switch GaAs MMIC	Cell Phones	f=800MHz-1.5GHz. At 800MHz, TX: Loss=0.5dB (Pin=30dBm), Iso=27dB, 3-Bit Control. At 1.5GHz, TX: Loss=0.55dB (Pin=30dBm), Iso=30dB, 3-Bit Control.	FFP24-E1
	NJG1522KB2	GaAs MMIC/Switch	SPDT Switch GaAs MMIC	Cell Phones	f=0.1GHz-2.5GHz, Very small package type of NJG1508R	FLP6-B2
	NJG1523KB2	GaAs MMIC/Switch	SPDT Switch GaAs MMIC	Cell Phones	f=0.1GHz-2.5GHz, Very small package type of NJG1509R without capacitor	FLP6-B2
	NJG1524PC1	GaAs MMIC/Switch	DPDT Switch GaAs MMIC	Cell Phones	f=0.1GHz-3.0GHz, Loss=0.3dB, Isolation=27dB, P-1=24dBm	FFP16-C1
	NJG1528KC1	GaAs MMIC/Switch	DPDT Switch GaAs MMIC	Cell Phones	f=0.1GHz-2.5GHz, Loss1 (@900MHz)=0.6dB, Loss2 (@1.9GHz)=0.7dB, Isolation1=26.5dB, Isolation2=24dB, Isolation3=20dB, Isolation4=18dB, P-0.2dB=36dBm, IIP3(1&2)=60dBm, VDD=2.5V (min), PD=550mW	FLP10-C1
	NJG1532KB2	GaAs MMIC/Switch	SPDT Switch GaAs MMIC	Cell Phones	VDD=2.5V-6.5V, Pin=28dBm, Loss1=0.3dB, Loss2=0.5dB, Isolation1&2=27dB, IDD=8uA, P-1dB=24dBm, PD=450mW, Tsw=20ns	FLP6-B2
	NJG1533KB2	GaAs MMIC/Switch	SPDT Switch GaAs MMIC	Cell Phones	VDD=2.5V-6.5V, Pin=32dBm, Loss1=0.4dB, Loss2=0.5dB, Isolation1&2=29dB, IDD=8uA, P-1dB=30.5dBm, PD=450mW, Tsw=20ns	FLP6-B2
New!	NJG1535HD3	GaAs MMIC/Switch	SPDT Switch GaAs MMIC	Cell Phones	VDD=2.5V-5.5V, P-0.2dB=3.6dB, Loss=0.35dB, Isolation=26dB, IDD=15uA	USB10-C3
New!	NJG1540JA3	GaAs MMIC/Switch	5x10 Dual Band Antenna Switch GaAs MMIC	Cell Phones	VDD=3.3V & -2.5V (Tx only), IDD=30mA (Tx) & 15dB (Rx), Loss=0.35dB (f=960MHz) & 0.55dB (fin=1.4GHz)	BCC32-A3
New!	NJG1542HB3	GaAs MMIC/Switch	SPDT Switch GaAs MMIC	Cell Phones	VDD=2.7V, Loss=0.3dB (f=1GHz) & 0.35dB (f=2GHz), Isolation=25dB (f=1GHz), 18dB (f=2GHz), & 17dB (f=2.5GHz), P1dB=27dBm, IDD=15uA	USB8-B3
New!	NJG1543HB3	GaAs MMIC/Switch	SPDT Switch GaAs MMIC	Cell Phones	VDD=2.7V, Loss=0.5dB (f=2GHz) & 0.6dB (f=2.5GHz), Isolation=26dB (f=2GHz) & 25dB (f=2.5GHz), P1dB=27dBm, IDD=30uA	USB8.C3
New!	NJG1544HC3	GaAs MMIC/Switch	2x2 Antenna Switch	Wireless LAN	VDD=2.7V, Pin=32dBm, PD=450mW, Loss=0.5dB, Isolation1&2=20dB, Isolation3=16dB, P-1dB=30dBm	USB-10, TVSP-10
	NJG1550F	GaAs MMIC/Mixer	800 MHz Band Mixer GaAs MMIC	Cordless Phones	f=800MHz, IIP3=-6dBm, Gc=14dB, I=4.5mA, NF=5dB	MTP6
	NJG1551F	GaAs MMIC/Mixer	800 MHz Band Mixer GaAs MMIC	Cordless Phones	f=800MHz, IIP3=-1dB, Gc=13dB, I=7.0mA, NF=5dB	MTP6

		NJG1552F	GaAs MMIC/Mixer	1.5/1.9 GHz Band Mixer GaAs MMIC	Cell Phones	f=1.5GHz-1.9GHz. At 1.5GHz, IIP3=-5dBm, Gc=8dB, I=4.5mA, NF=6dB. At 1.9GHz, IIP3=1dBm, Gc=5dB, I=4.5mA, NF=9dB	MTP6	
		NJG1553F	GaAs MMIC/Mixer	1.5/1.9 GHz Band Mixer GaAs MMIC	Cell Phones	f=1.5GHz-1.9GHz. At 1.5GHz, IIP3=-1dBm, Gc=9dB, I=7.0mA, NF=6dB. At 1.9GHz, IIP3=4dBm, Gc=7dB, I=7.0mA, NF=9dB	MTP6	
		NJG1553BF	GaAs MMIC/Mixer	1.5/1.9 GHz Band Mixer GaAs MMIC	Cell Phones	f=1.9GHz, IIP3=-1dBm, Gc=11dB, I=7.0mA, NF=7dB	MTP6	
		NJG1555KB2	GaAs MMIC/Mixer	800 MHz Band Mixer GaAs MMIC	Cordless Phones	f=800MHz, IIP3=2dBm, Gc=12dB, I=6.0mA, NF=5dB	FLP6-B2	
		NJG1556KB2	GaAs MMIC/Mixer	1.9 GHz Band Mixer GaAs MMIC	Cell Phones	f=1.5GHz-1.9GHz, At 1.5GHz, IIP3=-1dBm, Gc=8dB, I=6.0mA, NF=8dB. At 1.9GHz, IIP3=4dBm, Gc=8dB, I=6.0mA, NF=8dB.	FLP6-B2	
		NJG1557KB2	GaAs MMIC/Mixer	800 MHz Band Mixer GaAs MMIC	Cordless Phones	f=800MHz, IIP3=9dBm, Gc=10dB, I=7.5mA, NF=5.5dB	FLP6-B2	
		NJG1558PB1	GaAs MMIC/Mixer	PDC Dual Band Mixer GaAs MMIC	Cell Phones	f=800MHz & 1.5GHz, VDD=2.8V, Ga=11dB, IIP3=2Bm (f=800MHz) & -1dBm (1.5GHz), NF=5dBm (800MHz) & 6dBm (1.5GHz)	FFP12	
	New!	NJG1560PB1	GaAs MMIC/Mixer	PDC Dual Band Mixer GaAs MMIC	Cell Phones	Refer to datasheet		
	NJG16xx	New!	NJG1600KB2	GaAs MMIC/Mixer	PDC Dual Band Mixer GaAs MMIC	Cell Phones	f=100MHz-2.5GHz, VDD=2.7V, Loss=0.3dB (f=1GHz), 0.35dB (f=2GHz), & 0.4dB (f=2.5GHz), Isolation=25dB (f=1GHz), 18dB (f=2GHz), & 17dB (f=2.5GHz), P _{1dB} =27dB, I _{cont} =15uA	FLP6-B2
	NJG17xx		NJG1701V	GaAs MMIC/SPDT Switch+Power Amp+LNA	1.9 GHz Band Front-end GaAs MMIC	Cell Phones	f=1.9GHz, TX: Po=20dBm, Ga=32dB, Gcont=33dB, IDD=160mA. RX: Ga=13dB, NF2.7dB, IDD=2.8mA, V=3.0V.	SSOP20
			NJG1704V	GaAs MMIC/LNA+Mixer	800 MHz Band Front-end GaAs MMIC	Cordless Phones	f=800MHz, IIP3=-14dBm, Gc=28dB, NF=1.7dB, I=9.0mA, PLO=-10dBm	SSOP10
			NJG1704KC1	GaAs MMIC/LNA+Mixer	800 MHz Band Front-end GaAs MMIC	Cordless Phones	f=800MHz, IIP3=-14dBm, Gc=28dB, NF=1.7dB, I=9.0mA, PLO=-10dBm	FLP10-C1
			NJG1705V	GaAs MMIC/LNA+Mixer	1.5/1.9 GHz Band Front-end GaAs MMIC	Cell Phones	f=1.5GHz-1.9GHz, IIP3=-15.5/-10dBm, Gc=23.5/20.5dB (1.5GHz/1.9GHz), NF=1.6/2.2dB (1.5GHz/1.9GHz), I=9.5mA, PLO=-10dBm	SSOP10
			NJG1707PG1	GaAs MMIC/2x6 PoSW+LNA	800 MHz Band Front-end GaAs MMIC	Cordless Phones	f=800MHz. SW: TX: Loss=0.5dB (Pin=30dBm), Iso=27dB. LNA: Ga=17dB, NF=1.4dB, I=3.0mA	FFP32-G1
			NJG1709KC1	GaAs MMIC/LNA+Mixer	1.5/1.9 GHz Band Front-end GaAs MMIC	Cell Phones	f=1.5GHz-1.9GHz. LNA+Mixer: Gc=27/24dB (1.5GHz/1.9GHz), I=9.5mA. LNA: NF=1.3/1.4dB (1.5GHz/1.9GHz)	FLP10-C1

			NJG1711KC1	GaAs MMIC	800 MHz Band Front-end GaAs MMIC	Cordless Phones	f=800MHz, LNA+Mixer, LNA: GAIN=18dB, NF=1.3dB, IIP3=-5dBm, Mixer: Gc=12dB, NF=5dB, IIP3=2dBm	FLP10-C1
			NJG1712KC1	GaAs MMIC	CDMA/AMPS RX Front-end GaAs MMIC	Cell Phones	f=800MHz, LNA+Mixer, LNA: GAIN=18dB, NF=1.3dB, IIP3=4dBm, Mixer: Gc=10dB, NF=6.5dB, IIP3=6dBm	FLP10-C1
		New!	NJG1714KC1	GaAs MMIC/Front-end	1.9 GHz Band Front-end GaAs MMIC	Cell Phones	f=1.9GHz, IDD=2.8mA (LNA) & 5mA (Mixer), LNA: GAIN=16dB, NF=1.3dB, IIP3=-7dB, Mixer: Gain=9dB, NF=6.5dB, IIP3=2dBm	FLP10-C1
			NJG1715KC1	GaAs MMIC/Front-end	W-CDMA Front-end GaAs MMIC for W-CDMA	Cell Phones	VDD=2.85V, IDD=2.8mA (LNA) & 55mA (Mixer), LNA: GAIN=15dB, NF=1.3dB, IIP3=-2dBm, Mixer: GAIN=11.5dB, NF=5dB, IIP3=1dBm	FLP10-C1
NJL	NJL1xxxxx		NJL10H000	Photo IC	Infrared Remote Control Receiver	Small AV Instruments (Portable Audio, DVD, etc.), Car Audio, Car Navigation, Cameras, Video Cameras, etc.	f _{carrier} =36kHz, 36.7kHz, 38kHz, & 40kHz, V _{cc} =6.3V, I _{cc} =1mA, Directivity=75 degrees, Transmission Distance=12 meters	Surface Mount Type
			NJL11H000	Photo IC	Infrared Remote Control Receiver	Small AV Instruments (Portable Audio, DVD, etc.), Car Audio, Car Navigation, Cameras, Video Cameras, etc.	f _{carrier} =36kHz, 36.7kHz, 38kHz, & 40kHz, V _{cc} =6.3V, I _{cc} =1mA, Directivity=75 degrees, Transmission Distance=12 meters	Surface Mount Type
	NJL51xx		NJL5134KL	Photo Reflector	Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Built-in Visible Light Cut off Filter, High S/N Ratio	KL, KL-F1
			NJL5161K	Photo Reflector	Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Built-in Visible Light Cut off Filter, High S/N Ratio	K, K-F1, K-F2, K-F3, K-F10
			NJL5162K	Photo Reflector	Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Built-in Visible Light Cut off Filter, High S/N Ratio	K, K-F1, K-F2, K-F3, K-F10

	NJL5163K	Photo Reflector	Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Built-in Visible Light Cut off Filter, High S/N Ratio	K, K-F1, K-F2, K-F3, K-F10
	NJL5164K	Photo Reflector	Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Built-in Visible Light Cut off Filter, High S/N Ratio	K, K-F1, K-F2, K-F3, K-F10
	NJL5165K	Photo Reflector	Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Built-in Visible Light Cut off Filter, High S/N Ratio	K
	NJL5165K-H2	Photo Reflector	Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Built-in Visible Light Cut off Filter, High S/N Ratio	K-H2
	NJL5165KL	Photo Reflector	Photo Reflector with Lense	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Built-in Visible Light Cut off Filter, High S/N Ratio, High Output Current, Detectable from near Zero to 10 mm	KL
	NJL5166K	Photo Reflector	Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Built-in Visible Light Cut off Filter, High S/N Ratio	K

	NJL5167K	Photo Reflector	Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Built-in Visible Light Cutoff Filter, High S/N Ratio	K
	NJL5168K	Photo Reflector	Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Built-in Visible Light Cutoff Filter, High S/N Ratio	K
	NJL5171K	Photo Reflector	Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Built-in Visible Light Cutoff Filter, High S/N Ratio, High Output Current	K, KF
	NJL5172K	Photo Reflector	Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Built-in Visible Light Cutoff Filter, High S/N Ratio, High Output Current	K, KF
	NJL5175K	Photo Reflector	Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Built-in Visible Light Cutoff Filter, High S/N Ratio, High Output Current	K, K-F1, K-F2, K-F3, K-F10
	NJL5177K	Photo Reflector	Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Built-in Visible Light Cutoff Filter, High S/N Ratio, High Output Current	K, K-F1, K-F2, K-F3, K-F10
	NJL5181K	Photo Reflector	Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled	K-F10, K-F20

	NJL5183K	Photo Reflector	Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled	K-F10, K-F20
	NJL5190K	Photo Reflector	General Purpose Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Built-in Visible Light Cut off Filter, High S/N Ratio, High Output Current	K, K-F
	NJL5191K	Photo Reflector	General Purpose Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Built-in Visible Light Cut off Filter, High S/N Ratio, High Output Current	K, K-F1, K-F2, K-F3, K-F10
	NJL5192K	Photo Reflector	General Purpose Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Built-in Visible Light Cut off Filter, High S/N Ratio, High Output Current	K, K-F
	NJL5193K	Photo Reflector	General Purpose Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Built-in Visible Light Cut off Filter, High S/N Ratio, High Output Current	K, K-F1, K-F2, K-F3, K-F10
	NJL5194K	Photo Reflector	General Purpose Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Built-in Visible Light Cut off Filter, High S/N Ratio, High Output Current	K-F10, K-F20

NJL52xx					CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Built-in Visible Light Cut off Filter, High S/N Ratio, High Output Current	K
	NJL5195K	Photo Reflector	General Purpose Photo Reflector				
					CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Built-in Visible Light Cut off Filter, High S/N Ratio, High Output Current	K-F10, K-F20, K-F25
	NJL5196K	Photo Reflector	General Purpose Photo Reflector				
					CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Built-in Visible Light Cut off Filter, High S/N Ratio, High Output Current	K-F10, K-F20, K-F25
	NJL5197K	Photo Reflector	General Purpose Photo Reflector				
					CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Built-in Visible Light Cut off Filter, High S/N Ratio, High Output Current	K, K-F1, K-F2, K-F3, K-F10
	NJL5198K	Photo Reflector	General Purpose Photo Reflector				
					CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Built-in Visible Light Cut off Filter, High S/N Ratio, High Output Current	K, K-F1, K-F2, K-F3, K-F10
	NJL5199K	Photo Reflector	General Purpose Photo Reflector				
					CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, High Sensitivity, High S/N Ratio, Peak Emitting Wavelength= 660nm	K
					CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, High Sensitivity, High S/N Ratio, Peak Emitting Wavelength= 570nm	K
NJL53xx	NJL5365K	Photo Reflector	Photo Reflector				

NJL58xx						
	NJL5801K	Photo Reflector	Digital Output Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Normally ON Type, Schmitt Trigger Circuit, TTL Compatible, Built-in Visible Light Cut-off Filter	K, K-F1
	NJL5802K	Photo Reflector	Digital Output Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Normally ON Type, Schmitt Trigger Circuit, TTL Compatible, Built-in Visible Light Cut-off Filter	K, K-F1
	NJL5803K	Photo Reflector	Digital Output Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Normally ON Type, Schmitt Trigger Circuit, TTL Compatible, Built-in Visible Light Cut-off Filter, Pull-up Resistance	K, K-F1
	NJL5804K	Photo Reflector	Digital Output Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Normally ON Type, Schmitt Trigger Circuit, TTL Compatible, Built-in Visible Light Cut-off Filter, Pull-up Resistance	K, K-F1
	NJL5805K	Photo Reflector	Digital Output Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Normally ON Type, Schmitt Trigger Circuit, TTL Compatible, Built-in Visible Light Cut-off Filter, Pull-up Resistance	K, K-F1
	NJL5809K	Photo Reflector	Digital Output Photo Reflector	CD-ROM Drives, DVD Drives, Floppy Drives, Mass Storage Drives, Printers, Copiers, Scanners, Fax Machines, Office Equipment, etc.	Emitter/Detector/Coupled, Normally ON Type, Schmitt Trigger Circuit, TTL Compatible, Built-in Visible Light Cut-off Filter, Pull-up Resistance	K, K-F1
NJL6xHxxx NJL6xVxxx NJL6xxx	NJL61H000	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	fo=30kHz, 32.75kHz, 36kHz, 36.7kHz, 38kHz, 40kHz, or 56.8kHz, VCC=4.5V-5.5V	Mold Type (5.4mm)

	NJL61H000A	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	fo=36kHz, 36.7kHz, 38kHz, 40kHz, or 56.8kHz, VCC=4.5V-5.5V	Mold Type (5.4mm)
	NJL61V000	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	fo=30kHz, 32.75kHz, 36kHz, 36.7kHz, 38kHz, 40kHz, or 56.8kHz, VCC=4.5V-5.5V	Mold Type (6.3mm)
	NJL61V000A	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	fo=36kHz, 36.7kHz, 38kHz, 40kHz, or 56.8kHz, VCC=4.5V-5.5V	Mold Type (6.3mm)
	NJL6163R	Photo Diode	High Speed Pin Photo Diode	Remote Control	High Speed, High Sensitivity, Vr=35V, Id=0.1nA, Vf=1V, Ct=10pF, Peak Wavelength=800nm, fc=150MHz	R
	NJL6163R-1	Photo Diode	High Speed Pin Photo Diode	Remote Control	High Speed, High Sensitivity, Vr=35V, Id=0.1nA, Vf=1V, Ct=10pF, Peak Wavelength=800nm, fc=150MHz	R-1
	NJL6165R	Pin Photo Diode	High Speed Pin Photo Diode	Remote Control	High Speed, High Sensitivity, Vr=35V, Id=0.1nA, Vf=1V, Ct=4pF, Peak Wavelength=800nm, fc=300MHz	R
	NJL6165R-1	Pin Photo Diode	High Speed Pin Photo Diode	Remote Control	High Speed, High Sensitivity, Vr=35V, Id=0.1nA, Vf=1V, Ct=4pF, Peak Wavelength=800nm, fc=300MHz	R-1
	NJL6170R	Pin Photo Diode	Pin Photo Diode	Remote Control	6-Divide PIN Photo Diode, Vr=30V, Id=0.2nA, Ct=2pF, Isc=17nA (min), Isc=53nA (max), S=0.5A/W, tr/ta=100ns, Peak Wavelength=800nm, Vf=1.7V	R
	NJL6171R	Pin Photo Diode	Pin Photo Diode	Remote Control	6-Divide PIN Photo Diode, Vr=30V, Id=0.2nA, Ct=2pF, Isc=17nA (min), Isc=53nA (max), S=0.5A/W, tr/ta=100ns, Peak Wavelength=800nm, Vf=1.7V	R
	NJL62H000	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	fo=30kHz, 32.75kHz, 36kHz, 36.7kHz, 38kHz, 40kHz, or 56.8kHz, VCC=4.5V-5.5V	Metal Case Type (8mm)
	NJL62H000A	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	fo=36kHz, 36.7kHz, 38kHz, 40kHz, or 56.8kHz, VCC=4.5V-5.5V	Metal Case Type (8mm)

	NJL63H000	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	fo=30kHz, 32.75kHz, 36kHz, 36.7kHz, 38kHz, 40kHz, or 56.8kHz, VCC=4.5V-5.5V	Metal Case Type (11mm)
	NJL63H000A	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	fo=36kHz, 36.7kHz, 38kHz, 40kHz, or 56.8kHz, VCC=4.5V-5.5V	Metal Case Type (11mm)
	NJL64H000	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	fo=30kHz, 32.75kHz, 36kHz, 36.7kHz, 38kHz, 40kHz, or 56.8kHz, VCC=4.5V-5.5V	Metal Case Type (15mm)
	NJL64H000A	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	fo=36kHz, 36.7kHz, 38kHz, 40kHz, or 56.8kHz, VCC=4.5V-5.5V	Metal Case Type (15mm)
	NJL65V000	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	f0=36kHz, 36.7kHz, 38kHz, 40kHz, or 56.8kHz, Vcc=4.5V-5.5V	Side (15.6mm)
	NJL68H000	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	f0=36kHz, 36.7kHz, 38kHz, 40kHz, or 56.8kHz, Vcc=4.5V-5.5V	Top (15mm)
<i>New!</i>	NJL69V000A	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	f0=36kHz, 36.7kHz, 38kHz, & 40kHz, Vcc=6.3V, Icc=1mA, Directivity=40 degrees, Transmission Distance=18 meters	Mold Type
NJL7xHxx NJL7xVxx	NJL71H000	Infrared Remote Control Receiver	3V Operational Infrared Remote Control Receiver	Remote Control	fo=36.kHz, 36.7kHz, 38kHz, or 40kHz, Vcc=4.5V-5.5V	Mold Type (5.4mm)
	NJL71H000A	Infrared Remote Control Receiver	3V Operational Infrared Remote Control Receiver	Remote Control	fo=36.kHz, 36.7kHz, 38kHz, or 40kHz, Vcc=4.5V-5.5V	Mold Type (5.4mm)

	NJL71V000	Infrared Remote Control Receiver	3V Operational Infrared Remote Control Receiver	Remote Control	fo=36.kHz, 36.7kHz, 38kHz, or 40kHz, Vcc=4.5V-5.5V	Mold Type (6.3mm)
	NJL71V000A	Infrared Remote Control Receiver	3V Operational Infrared Remote Control Receiver	Remote Control	fo=36.kHz, 36.7kHz, 38kHz, or 40kHz, Vcc=2.4V-5.5V	Mold Type (6.3mm)
	NJL72H000	Infrared Remote Control Receiver	3V Operational Infrared Remote Control Receiver	Remote Control	fo=36.kHz, 36.7kHz, 38kHz, or 40kHz, Vcc=4.5V-5.5V	Metal Case Type (8mm)
	NJL72H000A	Infrared Remote Control Receiver	3V Operational Infrared Remote Control Receiver	Remote Control	fo=36.kHz, 36.7kHz, 38kHz, or 40kHz, Vcc=2.4V-5.5V	Metal Case Type (8mm)
	NJL73H000	Infrared Remote Control Receiver	3V Operational Infrared Remote Control Receiver	Remote Control	fo=36.kHz, 36.7kHz, 38kHz, or 40kHz, Vcc=4.5V-5.5V	Metal Case Type (11mm)
	NJL73H000A	Infrared Remote Control Receiver	3V Operational Infrared Remote Control Receiver	Remote Control	fo=36.kHz, 36.7kHz, 38kHz, or 40kHz, Vcc=2.4V-5.5V	Metal Case Type (11mm)
	NJL74H000	Infrared Remote Control Receiver	3V Operational Infrared Remote Control Receiver	Remote Control	fo=36.kHz, 36.7kHz, 38kHz, or 40kHz, Vcc=4.5V-5.5V	Metal Case Type (15mm)

		NJL74H000A	Infrared Remote Control Receiver	3V Operational Infrared Remote Control Receiver	Remote Control	fo=36.kHz, 36.7kHz, 38kHz, or 40kHz, Vcc=2.4V-5.5V	Metal Case Type (15mm)
	New!	NJL79V000A	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	fo=36.kHz, 36.7kHz, 38kHz, or 40kHz, Vcc=6.3V, Icc=0.6mA (max), Directivity=40 degrees, Transmission Distance=18 meters	Refer to Datasheet
NJL8xHxx NJL8xVxx		NJL81H000	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	fo=36kHz, 36.7kHz, 38kHz, or 40kHz, Vcc=4.5V-5.5V	Mold Type (5.4mm)
		NJL81H000A	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	fo=36kHz, 36.7kHz, 38kHz, or 40kHz, Vcc=4.5V-5.5V	Mold Type (5.4mm)
		NJL81V000	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	fo=36kHz, 36.7kHz, 38kHz, or 40kHz, Vcc=4.5V-5.5V	Mold Type (6.3mm)
		NJL81V000A	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	fo=36kHz, 36.7kHz, 38kHz, or 40kHz, Vcc=4.5V-5.5V	Mold Type (6.3mm)
		NJL8130R	Photo IC	Photo IC for Laser Power Monitor	Remote Control	Vcc=10V, Vref=2V to 3.2V, Icc=5mA, Sensitivity=-2.9mV/uW, Tr=7ns, Tf=7.5ns, Vom=1V	Thin Type
		NJL8131R	Photo IC	Photo IC for Laser Power Monitor	Remote Control	Vcc=10V, Vref=2V to 3.2V, Icc=5mA, Sensitivity=-2.9mV/uW, Tr=7ns, Tf=7.5ns, Vom=1V	Thin Type
		NJL82H000	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	fo=36kHz, 36.7kHz, 38kHz, or 40kHz, Vcc=4.5V-5.5V	Metal Case Type (8mm)
		NJL82H000A	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	fo=36kHz, 36.7kHz, 38kHz, or 40kHz, Vcc=4.5V-5.5V	Metal Case Type (8mm)
		NJL83H000	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	fo=36kHz, 36.7kHz, 38kHz, or 40kHz, Vcc=4.5V-5.5V	Metal Case Type (11mm)
		NJL83H000A	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	fo=36kHz, 36.7kHz, 38kHz, or 40kHz, Vcc=4.5V-5.5V	Metal Case Type (11mm)
		NJL84H000	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	fo=36kHz, 36.7kHz, 38kHz, or 40kHz, Vcc=4.5V-5.5V	Metal Case Type (15mm)
		NJL84H000A	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	fo=36kHz, 36.7kHz, 38kHz, or 40kHz, Vcc=4.5V-5.5V	Metal Case Type (15mm)
		NJL85V000	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	fo=36kHz, 36.7kHz, 38kHz, or 40kHz, Vcc=4.5V-5.5V	Side (15.6mm)
		NJL88H000	Infrared Remote Control Receiver	Infrared Remote Control Receiver	Remote Control	fo=36kHz, 36.7kHz, 38kHz, or 40kHz, Vcc=4.5V-5.5V	Top (15mm)

NJM	NJM0xx						
		NJM022	Op Amp	Dual Low Power Operational Amplifier	Various	Low Power, Dual, Dual Supply, Voffset=5mV, Ioffset=80nA, Ibias=250nA, Ioper=0.13 mA, Slew Rate=0.5V/us	
		NJM022B	Op Amp	Dual Low Power Operational Amplifier	Various	Low Power, Dual, Dual Supply, Voffset=5mV, Ioffset=80nA, Ibias=250nA, Ioper=0.25 mA, Slew Rate=1V/us	
		NJM062	Op Amp	J-FET Input Operational Amplifier	Various	Refer to datasheet	
		NJM064	Op Amp	J-FET Input Operational Amplifier	Various	FET Input, Dual/Quad, Dual Supply, Voffset=15mV, Ioffset=0.2nA, Ibias=0.4nA, Ioper=0.2mA, ft/GBW=1ft MHz, Slew Rate=3.5V/us, Noise=35nV/Hz (en)	
		NJM072	Op Amp	Dual J-FET Input Operational Amplifier	Various	FET Input, Dual, Dual Supply, Voffset=10mV, Ioffset=0.05nA, Ibias=0.2nA, Ioper=3mA, ft/GBW=5ft MHz, Slew Rate=20V/us, Noise=4nV/Hz (Vni)	
		NJM072B	Op Amp	Dual J-FET Input Operational Amplifier	Various	FET Input, Dual, Dual Supply, Voffset=10mV, Ioffset=0.05nA, Ibias=0.2nA, Ioper=3mA, ft/GBW=3ft MHz, Slew Rate=13V/us, Noise=4nV/Hz (Vni)	
		NJM074	Op Amp	Quad J-FET Input Operational Amplifier	Various	FET Input, Quad, Dual Supply, Voffset=10mA, Ioffset=0.05nA, Ibias=0.4nA, Ioper=0.2mA, ft/GBW=3ft MHz, Slew Rate=13V/us, Noise=4uVrms (Vni)	
		NJM082	Op Amp	Dual J-FET Input Operational Amplifier	Various	FET Input, Dual, Dual Supply, Voffset=15mV, Ioffset=0.2nA, Ibias=0.4nA, Ioper=3mA, ft/GBW=5ft MHz, Slew Rate=20V/us, Noise=4nV/Hz (Vni)	
		NJM082B	Op Amp	Dual J-FET Input Operational Amplifier	Various	FET Input, Dual, Dual Supply, Voffset=15mV, Ioffset=0.2nA, Ibias=0.4nA, Ioper=3mA, ft/GBW=3ft MHz, Slew Rate=13V/us, Noise=4nV/Hz (Vni)	
		NJM084	Op Amp	Quad J-FET Input Operational Amplifier	Various	FET Input, Quad, Dual Supply, Voffset=15mA, Ioffset=0.2nA, Ibias=0.4nA, Ioper=6mA, ft/GBW=3ft MHz, Slew Rate=13V/us, Noise=4uVrms (Vni)	
NJM12xxx		NJM12901	Comparator	Single Supply Quad Comparator	Various	10,000 Series, Low Power, Quad, Voffset=4mV, Ioffset=50nA, Ibias=200nA, Response Time=500ns, Voltage Gain=106 dB	
		NJM12902	Op Amp	Single Supply Quad Operational Amplifier	Various	10,000 Series, Quad, Single Supply, Voffset=5mV, Ioffset=50nA, Ibias=150nA, Ioper=1.0mA, ft/GBW=1.5/GB MHz, Slew Rate=0.7V/us	

NJM13xxx	NJM12903	Comparator	Single Supply Dual Comparator	Various	10,000 Series, Low Power, Dual, Voffset=4mV, Ioffset=50nA, Ibias=200nA, Response Time=500ns, Voltage Gain=106 dB
	NJM12904	Op Amp	Single Supply Dual Operational Amplifier	Various	10,000 Series, Dual, Single Supply, Voffset= 5mV, Ioffset=50nA, Ibias=150nA, Ioper=0.7mA, ft/GBW=1.5/GB MHz, Slew Rate=0.7V/us
	NJM13403	Op Amp	Single Supply Quad Operational Amplifier	Various	10,000 Series, Quad, Single Supply, Voffset=4mV, Ioffset=50nA, Ibias=150nA, Ioper=3mA, ft/GBW= 2/ft MHz, Slew Rate=1.2V/us
	NJM13404	Op Amp	Single Supply Dual Operational Amplifier	Various	10,000 Series, Dual, Single Supply, Voffset= 4mV, Ioffset=50nA, Ibias=150nA, Ioper=2mA, ft/GBW=2/ft MHz, Slew Rate=1.2V/us
	NJM13600	Op Amp	Dual Operational Transconductance Amplifier	Various	Transconductance, Dual, Dual Supply, Voffset=5mV, Ioffset=600nA, Ibias=5,000nA, Ioper=2.6mA, ft/GBW=2/GB MHz, Slew Rate=50V/us
	NJM13700	Op Amp	Dual Operational Transconductance Amplifier	Various	Transconductance, Dual, Dual Supply, Voffset=4mV, Ioffset=600nA, Ibias=5,000nA, Ioper=2.6mA, ft/GBW=2/GB MHz, Slew Rate=50V/us
	NJM1372A	Video Modulator	TV Video Modulator	Televisions, Video Products	Refer to datasheet
	NJM14xxx	NJM14558	Op Amp	Dual Operational Amplifier	Various
NJM1458D		Op Amp	Dual General Purpose Operational Amplifier	Various	General, Dual, Dual Supply, Voffset=6mV, Ioffset=200nA, Ibias=500nA, Ioper=3.3mA, Slew Rate=0.5V/us
NJM1458M		Op Amp	Dual General Purpose Operational Amplifier	Various	General, Dual, Dual Supply, Voffset=6mV, Ioffset=200nA, Ibias=500nA, Ioper=3.3mA, Slew Rate=0.5V/us
NJM1496		Modulator/ Demodulator	Dual Balanced Modulator/Demodulator	Various	Refer to datasheet
NJM20xx		NJM2035	Modulator	Stereo Modulator	Audio & Video Products
	NJM2041	Op Amp	Low-Noise Dual Operational Amplifier	Various	Refer to datasheet
	NJM2043	Pre-Amp	Low-Noise Dual Pre-Amp	Various	Refer to datasheet
	NJM2058	Op Amp	Quad Operational Amplifier	Various	General, Quad, Dual Supply, Voffset=6mV, Ioffset=200nA, Ibias=500nA, Ioper=7mA, Slew Rate=2V/us

	NJM2059	Op Amp	Quad Operational Amplifier	Various	General, Quad, Dual Supply, Voffset=6mV, Ioffset=200nA, Ibias=500nA, Ioper=7mA, ft/GBW=6/GB MHz, Slew Rate=2V/us
	NJM2060	Op Amp	Quad Operational Amplifier	Various	Low Noise, Quad, Dual Supply, Voffset=6mV, Ioffset=200nA, Ibias=500nA, Ioper=9mA, ft/GBW=10/GB MHz, Slew Rate=4V/us, Noise=1.2uVrms (Vin)
	NJM2063A	Noise Reduction	Dolby B-Type Noise Reduction Processor	Audio & Video Products	Refer to datasheet
	NJM2065A	Noise Reduction	Dolby B/C-Type Noise Reduction Processor	Audio & Video Products	Refer to datasheet
	NJM2067	Pre-Amp	3V Auto-Reverse Dual Pre-Amplifier	Various	Refer to datasheet
	NJM2068	Op Amp	Low-Noise Dual Operational Amplifier	Various	Wide Band/Low Noise, Dual/Quad, Dual Supply, Voffset=3mV, Ioffset=200nA, Ibias=1,000nA, Ioper=5mA, ft/GBW=27/GB MHz, Slew Rate=6V/us, Noise=0.44uV (Vin)
	NJM2070	Power Amp	Low Voltage Power Amplifier	Various	Refer to datasheet
	NJM2072	Sensor System	Signal Level Sensor System	Various	Refer to datasheet
	NJM2073	Power Amp	Dual Low Voltage Power Amplifier	Various	Refer to datasheet
	NJM2076	Power Amp	Dual Low Voltage Power Amplifier	Various	Refer to datasheet
	NJM2078	Voltage Detector	Voltage Detector	Various	Refer to datasheet
	NJM2082	Op Amp	Dual J-FET Input Operational Amplifier	Various	FET Input, Dual, Dual Supply, Voffset=10mV, Ioffset=0.2nA, Ibias=0.4nA, Ioper=4mA, ft/GBW=5/GB MHz, Slew Rate=20V/us, Noise=1.6uV/Hz (Vni)
	NJM2085	Noise Reduction	Pre-Amplifier and Dolby B-Type Noise Reduction System	Audio & Video Products	Refer to datasheet
	NJM2091	Comparator	Single Supply Low Power Quad Voltage Regulator	Various	Low Power, Voffset=7mV, Ioffset=50nA, Ibias=250nA, Response Time=1,300ns, Voltage Gain=106dB
	NJM2096	Power Amp	Low Voltage Dual Power Amplifier	Various	Refer to datasheet
	NJM2097	Op Amp	Hex Operational Amplifier	Various	General, Hex, Dual Supply, Voffset=6mV, Ioffset=200nA, Ibias=600nA, Ioper=15mA, ft/GBW=10/GB MHz, Slew Rate=5V/us
NJM21xx	NJM2100	Op Amp	Dual Operational Amplifier	Various	Refer to datasheet
	NJM2102	System Reset	System Reset IC	Various	Refer to datasheet
	NJM2103	System Reset	System Reset IC	Various	Refer to datasheet
	NJM2105	Telephone	Telephone Speech Network IC	Telephones, Communications	Refer to datasheet

	NJM2106	Bass Expander	Active Bass Expander	Various	Refer to datasheet
	NJM2107	Op Amp	Single Operational Amplifier	Various	Low Saturation, Single, Dual Supply, Voffset=6, Ioffset=200mA, Ibias=500nA, Ioper=2mA, Slew Rate=3V/us
	NJM2110	Microphone Amp	Monoaural Microphone Amplifier for Video Camera	Video Cameras	Low Saturation, Dual, Dual Supply, Voffset=6mV, Ibias=300nA, Ioper=3.5mA, ft/GBW=12/GB MHz, Slew Rate=4V/us
	NJM2112	Op Amp	Quad Operational Amplifier	Various	Low Saturation, Quad, Dual Supply, Voffset=6mV, Ibias=300nA, Ioper=8mA, ft/GBW=9/GB MHz, Slew Rate=3.2V/us
	NJM2113	Power Amp	Low Voltage Power Amplifier	Various	Refer to datasheet
	NJM2114	Op Amp	High Performance Low-Noise Dual Operational Amplifier	Various	High Performance, Dual, Dual Supply, Voffset=3mV, Ioffset=300nA, Ibias=1,800nA, Ioper=9mA, ft/GBW=13/GB MHz, Slew Rate=15V/us, Noise=0.9uVrms (Vni)
	NJM2115	Op Amp	Dual Operational Amplifier	Various	Low Saturation, Dual, Dual Supply, Voffset=6mV, Ibias=300nA, Ioper=3.5mA, ft/GBW=12/GB MHz, Slew Rate=4V/us
	NJM2116	Op Amp	Ultra Wide Band & High Slew Rate Hex Operational Amplifier	Various	High Speed & Wide Band, Hex, Dual Supply, Voffset=5mV, Ioffset=200mA, Ibias=2,000nA, Ioper=3.4mA, ft/GBW=200/GB MHz, Slew Rate=45V/us
	NJM2117	RF Amp	RF Amplifier for CD Player	CD Players	Refer to datasheet
	NJM2118	Op Amp	Monoaural Microphone Amplifier	Audio, Video, Telephones, etc.	Refer to datasheet
	NJM2119	Op Amp	Dual Single-Supply Operational Amplifier	Various	Refer to datasheet
	NJM2120	Op Amp	Switching Operational Amplifier	Various	Switch Function (2-IN, 1-OUTx1), Single, Voffset=6mV, Ibias=500nA, Ioper=2.3/ON, ft/GBW=3/ft MHz, Slew Rate=2.2V/us
	NJM2121	Op Amp	High-Speed Dual Operational Amplifier with Switch	Various	Switch Function (2-IN, 1-OUTx1), Single, Voffset=6mV, Ibias=1,000nA, Ioper=2.3/ON, ft/GBW=14/ft MHz, Slew Rate=4V/us
	NJM2122	Op Amp	Ultra Low-Noise Dual Operational Amplifier	Various	Low Noise, Dual, Dual Supply, Voffset=6mV, Ioffset=1,500nA, Ibias=8,000nA, Ioper=7mA, ft/GBW=12/GB MHz, Slew Rate=2.4V/us, Noise=1.5nV/Hz (en)
	NJM2123	Op Amp	Dual Operational Amplifier with Analog Switch	Various	General Switch Function (2-IN, 1-OUTx1), Dual, Single Supply, Voffset=6-7mV, Ioffset=50-200nA, Ibias=250-300nA, Ioper=0.7-6ON mA, ft/GBW=0.6-10/ft, Slew Rate=0.5-3V/us

	NJM2125	Op Amp	Single-Supply Operational Amplifier	Various	General, Small Package, Single, Single Supply, Voffset=7mV, Ioffset=50nA, Ibias=250nA, Ioper=1.0mA, ft/GBW=1.2/ft, Slew Rate=1.2V/us	
	NJM2127	Audio Amp	Audio Filter Amplifier	Audio Products	Refer to datasheet	
	NJM2128	Power Amp	Pre & Power Amplifier with ALC	Various	Refer to datasheet	
	NJM2129	Remote Control	Remote Control Interface IC	Remote Controls	Refer to datasheet	
	NJM2130	Op Amp	Low Power Single Operational Amplifier	Various	Low Power, Single, Dual Supply, Voffset=5mV, Ioffset=80nA, Ibias=250nA, Ioper=0.08mA, Slew Rate=0.5V/us	
	NJM2132	Op Amp	Single-Supply Low Power Operational Amplifier	Various	Low Power, Dual, Single Supply, Voffset=4.5mV, Ioffset=20nA, Ibias=100nA, Ioper=0.44mA, ft/GBW=1.8/GB MHz, Slew Rate=2.1V/us	
	NJM2133	Audio Amp	Audio Filter Amplifier	Audio Products	Refer to datasheet	
	NJM2135	Audio Amp	Low Voltage Audio Power Amplifier	Audio Products	Refer to datasheet	
	NJM2136	Op Amp	Ultra Wide Band, High Slew Rate Single Operational Amplifier	Various	High Speed & Wide Band, Single, Dual Supply, Voffset=5mV, Ioffset=200mA, Ibias=2,000nA, Ioper=0.63mA, ft/GBW=200/GB MHz, Slew Rate=45V/us	
	NJM2137	Op Amp	Ultra Wide Band, High Slew Rate Single Operational Amplifier	Various	High Speed & Wide Band, Dual, Dual Supply, Voffset=5mV, Ioffset=200mA, Ibias=2,000nA, Ioper=1.14mA, ft/GBW=200/GB MHz, Slew Rate=45V/us	
	NJM2138	Op Amp	Ultra Wide Band, High Slew Rate Single Operational Amplifier	Various	High Speed & Wide Band, Quad, Dual Supply, Voffset=5mV, Ioffset=200mA, Ibias=2,000nA, Ioper=2.27mA, ft/GBW=200/GB MHz, Slew Rate=45V/us	
	NJM2140	Op Amp	Dual Operational Amplifier	Various	Low Saturation, Dual, Dual Supply, Voffset=6mV, Ioffset=200nA, Ibias=300nA, Ioper=3.5mA, ft/GBW=12/GB MHz, Slew Rate=4V/us	
	NJM2141	Op Amp	Single-Supply Dual Operational Amplifier	Various	General, Dual, Dual Supply, Voffset=6mV, Ioffset=200nA, Ibias=500nA, Ioper=2.7mA, ft/GBW=8/GB MHz, Slew Rate=0.5V/us, Noise=1.2uVrms (Vni)	
	NJM2143	Op Amp	Single-Supply Dual Operational Amplifier	Various	Refer to datasheet	
	NJM2145	Remote Control	Remote Control Interface IC	Remote Control	Refer to datasheet	
	NJM2146B	Battery Charger	Voltage and Current Control IC	Battery Chargers, Second Controller of Switching Regulator System, and other Battery-operated Systems	V+=2.5V to 18V, Vref=1.5V±1%, PC Terminal Current=60mA (max), Operating Current=3mA (max)	DIP8, DMP8, VSP8

	NJM2147	Op Amp	Dual High Voltage and Low Power Operational Amplifier	Various	High Voltage, Dual, Dual Supply, Voffset=5mV, Ioffset=80nA, Ibias=250nA, Ioper=0.175mA, Slew Rate=0.5V/us, Noise=50nV/Hz (en)	
	NJM2149	Power Amp	Low Voltage Audio Power Amplifier IC	Audio Products	Refer to datasheet	
	NJM2150	Audio Processor	Sound Enhancement Audio Processor	Audio Products	Refer to datasheet	
	NJM2150A	Audio Processor	Sound Enhancement Audio Processor	Audio Products	Refer to datasheet	
	NJM2151	Power Amp	Monoaural Power Amplifier & Headphone Power Amplifier IC	Telephone & Audio Headsets	Refer to datasheet	
	NJM2151A	Power Amp	Monoaural Power Amplifier & Headphone Power Amplifier IC	Telephone & Audio Headsets	Refer to datasheet	
	NJM2152	Audio Processor	Sound Enhancement Audio Processor	Audio Products	Refer to datasheet	
	NJM2153	Audio Processor	Sound Enhancement Audio Processor	Audio Products	Refer to datasheet	
	NJM2155	Audio Processor	BBE Mach3 Bass Audio Processor	Audio Products	Refer to datasheet	
	NJM2160A	Boost Amp	Dual Boost Amplifier for Car Audio	Car Audio	Refer to datasheet	
	NJM2162	Op Amp	J-FET Input Operational Amplifier	Various	FET Input, Dual, Dual Supply, Voffset=15mA, Ioffset=0.2nA, Ibias=0.4nA, Ioper=0.3mA, ft/GBW=3/ft MHz, Slew Rate=10V/us, Noise=4uVrms (Vin)	
	NJM2164	Op Amp	J-FET Input Operational Amplifier	Various	FET Input, Quad, Dual Supply, Voffset=15mA, Ioffset=0.2nA, Ibias=0.4nA, Ioper=0.3mA, ft/GBW=3/ft MHz, Slew Rate=10V/us	
	NJM2166	Audio Amp	Monoaural Audio Power Amplifier	Audio Products	Refer to datasheet	
	NJM2171A	Headphone Amp	Low Voltage Headphone Amplifier for Portable Audio	Portable Audio Products	Refer to datasheet	
	NJM2172	Op Amp	Operational Amplifier with EVR	Various	V+=2.7V to 5.5V, Vref=1.55V+1%, Operating Current=6mA (max), EVR Range=-3dB to -95dB, Drivability=100 Ohm, Bipolar Technology	SSOP14
	NJM2173A	Microphone Amp	Low Voltage Microphone Amplifier for Portable Audio Set	Portable Audio Products	Refer to datasheet	
	NJM2174	Audio Amp	Audio Line Amplifier with Mute Function	Audio & Video Products	Refer to datasheet	
	NJM2177	Audio Decoder	Dolby Pro Logic Surround Decoder	Audio & Video Products	Refer to datasheet	
	NJM2177A	Audio Decoder	Dolby Pro Logic Surround Decoder	Audio & Video Products	Refer to datasheet	

	NJM2178	Audio Processor	SRS 3D Surround Audio Processor	Audio & Video Products	Refer to datasheet	
	NJM2179	Audio Processor	SRS 3D Surround Audio Processor	Audio & Video Products	Refer to datasheet	
	NJM2180	Audio Processor	TruSurround 3D Audio Processor	Audio & Video Products	Refer to datasheet	
	NJM2181	Audio Processor	Passive Matrix TruSurround TM 3D Audio Processor	Audio & Video Products	Refer to datasheet	
	NJM2184	Audio Processor	Speaker Elevation Audio Processor with A/V Focus Filter	Audio & Video Products	Refer to datasheet	
	NJM2185A	Noise Reduction	Dolby B-Type Noise Reduction Processor	Audio & Video Products	Refer to datasheet	
	NJM2186	Noise Reduction	Dolby S-Type Noise Reduction Processor	Audio & Video Products	Refer to datasheet	
	NJM2187	Audio Processor	Passive Matrix TruSurround TM 3D Audio Processor	Audio & Video Products	Refer to datasheet	
	NJM2188	Audio Processor	Passive Matrix TruSurround TM 3D Audio Processor	Audio & Video Products	Refer to datasheet	
	NJM2189	Audio Processor	SRS A/V Focus Speaker Elevation Audio Processor	Audio & Video Products	Refer to datasheet	
	NJM2190	Audio Processor	SRS Headphone 3D Surround Processor	Audio Headphones	Refer to datasheet	
	NJM2191	Audio Processor	SRS 3D Stereo & SRS Headphone Audio Processor	Audio Headphones	Refer to datasheet	
	NJM2192A	Bass Processor	SRS TruBass Bass Processor	Audio & Video Products	Refer to datasheet	
	NJM2193	Audio Processor	Focus & SRS Audio Processor	Audio & Video Products	Refer to datasheet	
<i>New!</i>	NJM2194	Audio Processor	SRS Dialog Clarity Processor	Audio & Video Products	Refer to datasheet	
<i>New!</i>	NJM2195	Audio Processor	SRS WOW Audio Processor	Audio & Video Products	Refer to datasheet	
	NJM2198	Audio Processor	SRS 3D Surround Audio Processor	Audio & Video Products	Refer to datasheet	
	NJM2199	Audio Processor	SRS 3D Surround Audio Processor	Audio & Video Products	Refer to datasheet	
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	NJM2203	Mixer	Full Balanced Mixer	Audio Products	Refer to datasheet	
	NJM2204A	Log Amp	Log Amplifier	Audio Products	Refer to datasheet	
	NJM2206	FM Receiver	Low Power IF/AF PLL Circuit for Narrow Band FM Receiver	Audio Products	Refer to datasheet	
	NJM2207	Video Imposer	Video Super Imposer	Video Products	Refer to datasheet	
	NJM2208	Video Modulator	TV Video Modulator	Video Products	Refer to datasheet	

NJM22xx

	NJM2209	Video Enhancer	Video Picture Enhancer	Video Products	Refer to datasheet	
	NJM2210	Video Noise Reduction	Video Noise Reducer	Video Products	Refer to datasheet	
	NJM2211	FSK Decoder	FSK Demodulator/Tone Decoder	Video Products	Refer to datasheet	
	NJM2214	Video Display	Video On-Screen Display	Video Products	Refer to datasheet	
	NJM2217	Video Imposer	Video Super Imposer with AFC	Video Products	Refer to datasheet	
	NJM2218	Video Converter	NTSC-M/PAL Converter	Video Products	Refer to datasheet	
	NJM2220	Video Detector	Video Synchronous Detector	Video Products	Refer to datasheet	
	NJM2223	Video Switch	Video Switch with 8 dB Amplifier	Video Products	Refer to datasheet	
	NJM2224	Video Noise Reduction	Video Noise Reducer	Video Products	Refer to datasheet	
	NJM2225	Video Camera	Video Camera Auto-Iris Function	Video Products	Refer to datasheet	
	NJM2228	Video Sub-Carrier	Video Sub-Carrier Signal Doubler/Tripler	Video Products	Refer to datasheet	
	NJM2229	Video Sync Separator	Synchronous Separation with AFC	Video Products	Refer to datasheet	
	NJM2230	Video Sync Detector	Video Synchronous Detector	Video Products	Refer to datasheet	
	NJM2232A	Log Amp	FM IF with Log Amplifier	Audio/Radio Products	Refer to datasheet	
	NJM2233B	Video Switch	2-Input Single Video Switch	Video Products	Refer to datasheet	
	NJM2234	Video Switch	3-Input Video Switch	Video Products	Refer to datasheet	
	NJM2235	Video Switch	3-Input Video Switch	Video Products	Refer to datasheet	
	NJM2236	Audio Front-end	FM Front-end	Audio/Radio Products	Refer to datasheet	
	NJM2236A	Audio Front-end	FM Front-end	Audio/Radio Products	Refer to datasheet	
	NJM2237	Audio Radio	AM/FM Radio	Audio/Radio Products	Refer to datasheet	
	NJM2238	Video Sub-Carrier	Video Sub-Carrier Signal Tripler	Video Products	Refer to datasheet	
	NJM2240	Video Sub-Carrier	Video Sub-Carrier Signal Quadrupler	Video Products	Refer to datasheet	
	NJM2241	Audio Radio	AM/FM Radio	Audio/Radio Products	Refer to datasheet	
	NJM2243	Video Switch	3-Input Video Switch with 75 Ohm Driver	Video Products	Refer to datasheet	
	NJM2244	Video Switch	3-Input Video Switch with 75 Ohm Driver	Video Products	Refer to datasheet	
	NJM2245	Video Switch	3-Input Video Switch with 6 dB Amplifier	Video Products	Refer to datasheet	
	NJM2246	Video Switch	3-Input Video Switch with 6 dB Amplifier	Video Products	Refer to datasheet	

	NJM2246L	Video Switch	3-Input Video Switch with 6 dB Amplifier	Video Products	Refer to datasheet	
	NJM2247A	Video Imposer	Video Color Super Imposer	Video Products	Refer to datasheet	
	NJM2247B	Video Imposer	Video Color Super Imposer	Video Products	Refer to datasheet	
	NJM2248	Video Imposer	3-Input Video Super Imposer	Video Products	Refer to datasheet	
	NJM2249	Video Switch	3-Input Video Switch	Video Products	Refer to datasheet	
	NJM2252	Video Display	On Screen Display Mix IC	Video Products	Refer to datasheet	
	NJM2255	Video Controller	Chroma Signal Hue Tint Controller	Video Products	Refer to datasheet	
	NJM2256	Video Imposer	Video Color Super Imposer	Video Products	Refer to datasheet	
	NJM2257	Video Separator	Synchronous Separation with AFC	Video Products	Refer to datasheet	
	NJM2258	Video Equalizer	Video Equalizer	Video Products	Refer to datasheet	
	NJM2259	RF Modulator	RF Modulator for UHF Band	Video Products	Vcc=5V, Picture-to-Sound Adjustability, Adjustable Audio Ripple Setting, Audio Input Circuit with low shock noise	DMP16
	NJM2262	Video Imposer	2-Input Video Super Imposer	Video Products	Refer to datasheet	
	NJM2263	Video Imposer	3-Input Video Super Imposer with 75 Ohm Driver	Video Products	Refer to datasheet	
	NJM2264	Video Imposer	3-Input Video Super Imposer with 75 Ohm Driver	Video Products	Refer to datasheet	
	NJM2265	Video Imposer	3-Input Video Super Imposer with 6 dB Amplifier	Video Products	Refer to datasheet	
	NJM2266	Video Imposer	3-Input Video Super Imposer with 6 dB Amplifier	Video Products	Refer to datasheet	
	NJM2267	Video Amp	Dual Video 6 dB Amplifier with 75 Ohm Driver	Video Products	Refer to datasheet	
	NJM2268	Video Amp	Dual Video 6 dB Amplifier with 75 Ohm Driver	Video Products	Refer to datasheet	
	NJM2273	Video Switch	3-Input 1 Mute Video Switch	Video Products	Refer to datasheet	
	NJM2273S	Video Switch	3-Input 1 Mute Video Switch	Video Products	Refer to datasheet	
	NJM2274	Video Amp	Low Power Video Amplifier with Y-C Amplifier	Video Products	Refer to datasheet	
	NJM2277	Video Switch	Video Switch Matrix	Video Products	Refer to datasheet	
	NJM2279	Video Switch	3-Input 2-Output Video Switch for AV-Set	Video Products	Refer to datasheet	

	NJM2283	Video Switch	2-Input 3 Channel Video Switch	Video Products	Refer to datasheet		
	NJM2283D	Video Switch	2-Input 3 Channel Video Switch	Video Products	Refer to datasheet		
	NJM2283M	Video Switch	2-Input 3 Channel Video Switch	Video Products	Refer to datasheet		
	NJM2284	Video Switch	2-Input 3 Channel Video Switch	Video Products	Refer to datasheet		
	NJM2284D	Video Switch	2-Input 3 Channel Video Switch	Video Products	Refer to datasheet		
	NJM2284M	Video Switch	2-Input 3 Channel Video Switch	Video Products	Refer to datasheet		
	NJM2285	Video Switch	2-Input 3 Channel Video Switch	Video Products	Refer to datasheet		
	NJM2285D	Video Switch	2-Input 3 Channel Video Switch	Video Products	Refer to datasheet		
	NJM2285M	Video Switch	2-Input 3 Channel Video Switch	Video Products	Refer to datasheet		
	NJM2286	Video Switch	2-Input 3 Channel Video Switch	Video Products	Refer to datasheet		
	NJM2286D	Video Switch	2-Input 3 Channel Video Switch	Video Products	Refer to datasheet		
	NJM2286M	Video Switch	2-Input 3 Channel Video Switch	Video Products	Refer to datasheet		
	NJM2292	Audio Interface	Narrow Band FM IF IC	Audio Products	Refer to datasheet		
	NJM2293	Video Switch	4-Input 1 Mute Video Switch	Video Products	Refer to datasheet		
	NJM2294	Pager Interface	FM IF IC for Pager	Pagers	Refer to datasheet		
	NJM2295A	Remote Interface	FM IF IC for Remote Keyless Entry System	Security Systems	Refer to datasheet		
	NJM2296	Video Switch	5-Input 3-Output Video Switch	Video Products	Refer to datasheet		
	NJM2298	AV Switch	AV Switch Amplifier	Audio & Video Products	Refer to datasheet		
NJM23xx	<i>New!</i>	NJM2336	Battery Charger	Battery Chargers	Various	VDD=2.2V to 13V, Vref=1.24V±1%, PC Drive Current=20mA (max), Operating Current=350uA (max), Bipolar Technology	MTP6
	<i>New!</i>	NJM2337	Battery Charger	Battery Chargers	Various	VDD=2.2V to 13V, Vref=1.24V±1%, PC Drive Current=20mA (max), Operating Current=280uA (max), Bipolar Technology	MTP6
	<i>New!</i>	NJM2340	DC/DC Converter	High Precision DC/DC Converter Cotnrol IC	Various	V+=3.6V to 32V, Voltage Sense: 1.0V+/-1.5%, Current Sense: 0.15V±4%, fosc=20kHz-500kHz	DMP8, VSP8
		NJM2351	Voltage Regulator	Multi Output Voltage Regulator	Various	Refer to datasheet	
		NJM2352	Switching Regulator	Low Power Switching Regulator	Battery-operated Applications	Icc=550uA (max), V+=2.6V to 24V, Vref=1.31V±5.4%, fosc=10kHz to 100kHz	DIP8, DMP8

	NJM2355	Switching Regulator	Two Output High Voltage Switching Regulator	Various	Refer to datasheet	
	NJM2360	DC/DC Converter	DC/DC Converter Control IC	Step-up, Step-down, and Inverting Applications for EMI sensitive applications	I _{sw} =1.5A, V ₊ =2.5V to 40V, V _{ref} =1.25±5.6%, f _{osc} =100Hz to 100kHz	DIP8, DMP8
	NJM2360A	DC/DC Converter	DC/DC Converter Control IC	Step-up, Step-down, and Inverting Applications for EMI sensitive applications	I _{sw} =1.5A, V ₊ =2.5V to 40V, V _{ref} =1.25V±2%, f _{osc} =100Hz to 100kHz	DIP8, DMP8
	NJM2362	Switching Regulator	Current Mode Flyback PWM Switching Regulator	Various	Refer to datasheet	
	NJM2366	Voltage Generator	Adjustable Divided Voltage Generator	Various	Refer to datasheet	
	NJM2367	DC/DC Converter	5.5A High Power DC/DC Converter Controller IC	Step-down Applications	I _{sw} =5.5A (min), f _{osc} =72kHz, Current Sense Amplifier, Voltage Lockout, Thermal Shutdown	TO-220 (5 Pin)
	NJM2368	Switching Regulator	Switching Regulator Control IC	Flyback-type Switching Regulators up to 10W	V ₊ =3.6V to 32V, V _{ref} =2.5V±2%, f _{osc} =5kHz to 350kHz, Totem-pole Output Circuit, Timer Latch Short Circuit Protection (Transistor), Soft Start Circuit, Under Voltage Lockouts (UVLO)	DIP8, DMP8, EMP8, SSOP8
	NJM2369	PWM Switching Regulator	PWM Switching Regulator Control IC for Slave Type	Flyback-type Switching Regulators up to 10W	V ₊ =3.6V to 32V, V _{ref} =2.5V±2%, f _{osc} =5kHz to 350kHz, Totem-pole Output Circuit, Timer Latch Short Circuit Protection (MOSFET), Soft Start Circuit, Under Voltage Lockouts (UVLO)	DIP8, DMP8, EMP8, SSOP8
	NJM2370	LDO Regulator	Low Dropout Voltage Regulator with ON/OFF Control	Communications, Handheld Devices, Battery-operated Devices, Low Current Devices, and High Performance Microprocessors with Sleep Mode	V _{out} =2.0V-15.0V, I _o (max)=150mA (@ V _o -0.3), Low Dropout Voltage=0.1 (typ) (@ I _o =30mA), ON/OFF Function	SOT-89, VSP8
	NJM2373	Shunt Regulator/Battery Charger	High Precision Shunt Regulator	Various	V ₊ =V _{ref} to 14V, V _{ref} =1.24V±1%	MTP5
	NJM2374A	PWM DC/DC Converter	PWM Control DC/DC Converter IC	Step-up, Step-down, and Inverting Applications for EMI sensitive applications	I _{sw} =1.5A, V _{ref} =1.25V±2%, V ₊ =2.5V to 40V, Ton:T _{off} =9:1, f _{osc} =100Hz to 100kHz	DIP8, DMP8, SSOP14
	NJM2375	Power Controller	Power Factor Controller	Electronic Ballasts and Power Converter Applications	Over-voltage Comparator, Internal Quick-start, One Quadrant Multiplier, Zero Current Detector, Trimmed 2% Internal Bandgap Reference, Totem pole Output, Under Voltage Lockout	DIP8, DMP8, SIP8, SSOP14
	NJM2375A	Power Controller	Power Factor Controller	Electronic Ballasts and Power Converter Applications	Over-voltage Comparator, Internal Quick-start, One Quadrant Multiplier, Zero Current Detector, Trimmed 2% Internal Bandgap Reference, Totem pole Output, Under Voltage Lockout	DIP8, DMP8, SIP8, SSOP14

	NJM2377	Switching Regulator	Switching Regulator Control IC	Backlight for TFT LCD Panels and other Portable Applications	V+=2.7V to 18V, fosc=20kHz to 500kHz, Ton:Toff=9:1, Totem pole Output, Timer Latch Short Circuit Protection, Soft Start Circuit, UVLO (Under Voltage Lockouts)	DIP, DMP8, EMP8, SSOP8
	NJM2378	PWM Switching Regulator	PWM Switching Regulator Control IC for Slave Type	Flyback-type Switching Regulators up to 10W and Multi-Output Power Supply for LCD Panels	V+=3.6V to 32V, Vref=2.5±2%, fosc=5kHz to 350kHz, Totem pole Output Circuit (Transistor), Timer Latch Short Circuit Protection, Soft Start Circuit, UVLO (Under Voltage Lockouts)	DIP8, DMP8, EMP8, SSOP8
	NJM2379	PWM Switching Regulator	PWM Switching Regulator Control IC for Slave Type	Flyback-type Switching Regulators up to 10W and Multi-Output Power Supply for LCD Panels	V+=3.6V to 32V, Vref=2.5±2%, fosc=5kHz to 350kHz, Totem pole Output Circuit (MOSFET), Timer Latch Short Circuit Protection, Soft Start Circuit, UVLO (Under Voltage Lockouts)	DIP8, DMP8, EMP8, SSOP8
	NJM2380	Shunt Regulator/Battery Charger	Adjustable High Precision Shunt Regulator	Power Supply Modules, Battery Chargers, and other Battery-operated Applications	V+=Vref to 18V, Vref=2.456V±2%	DIP8, DMP8, EMP8, TO-92, SOT-89, MTP5
	NJM2380A	Shunt Regulator/Battery Charger	Adjustable High Precision Shunt Regulator	Power Supply Modules, Battery Chargers, and other Battery-operated Applications	V+=Vref to 18V, Vref=2.456V±1%	DIP8, DMP8, EMP8, TO-92, SOT-89, MTP5
	NJM2381	Switching Regulator	Switching Regulator Control IC with Current Sense Amplifier	Backlight for LCD Panels and other Portable Applications	V+=3.6V to 32V, fosc=5kHz to 350kHz, Current Sense Amplifier, Soft Start Function, UVLO (Under Voltage Lockout)	DIP14, DMP14, SSOP10
	NJM2382	Switching Regulator	Switching Regulator Control IC with Current Sense Amplifier	Backlight for LCD Panels and other Portable Applications	V+=3.6V to 32V, fosc=5kHz to 350kHz, Standby Active High, Current Sense Amplifier, Soft Start Function, UVLO (Under Voltage Lockout)	DIP14, DMP14, SSOP10
	NJM2383	DC/DC Converter	DC/DC Converter Control IC with Current Sense Amplifier	Power Modules and On-board Regulators	PWM Switching Control, V+=3.6V to 32V, fosc=5kHz to 350kHz, Standby Active High, Current Sense Amplifier, Soft Start Function, UVLO (Under Voltage Lockouts)	DIP14, DMP14, SSOP10
	NJM2390	Shunt Regulator/Battery Charger	Adjustable High Precision Shunt Regulator	Power Supply Modules, Battery Chargers, and other Battery-operated Applications	V+=Vref to 18V, Vref=2.456V±2%	DIP8, DMP8, EMP8, TO-92, SOT-89, MTP5
	NJM2390A	Shunt Regulator/Battery Charger	Adjustable High Precision Shunt Regulator	Power Supply Modules, Battery Chargers, and other Battery-operated Applications	V+=Vref to 18V, Vref=2.456V±1%	DIP8, DMP8, EMP8, TO-92, SOT-89, MTP5

				Communications, Handheld Devices, Battery-operated Devices, Low Current Devices, and High Performance Microprocessors with Sleep Mode	Vout=2.5V-5.0V, Vo±1% (max), Io (max)=1A, Low Dropout Voltage=1.1V (typ) (@ Io=1A)	TO-252
	NJM2391	LDO Regulator	Low Dropout Voltage Regulator			
New!	NJM2396	LDO Regulator	Low Dropout Voltage Regulator with ON/OFF Control	Communications, Handheld Devices, Battery-operated Devices, Low Current Devices, and High Performance Microprocessors with Sleep Mode	Vin=35V, Io=1.5A, Pd=18W, Internal Short Circuit Current Limit, Internal Thermal Overload Protection, Bipolar Technology	TO-220F (4 pin)
New!	NJM2397	LDO Regulator	Adjustable Low Dropout Voltage Regulator	Communications, Handheld Devices, Battery-operated Devices, Low Current Devices, and High Performance Microprocessors with Sleep Mode	Refer to datasheet	
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NJM24xx	NJM2403	Voltage Comparator	Single-Supply Dual Comparator	Various	Voffset=10mV, Ioffset=100nA, Ibias=500nA, Response Time=1,500ns, Voltage Gain=106dB	
	NJM2405	Voltage Detector	Voltage Detector	Various	Refer to datasheet	
	NJM2406	Voltage Comparator	Single Comparator	Various	Voffset=7mV, Ioffset=50nA, Ibias=250nA, Response Time=1,500ns, Voltage Gain=106dB	
	NJM2407	Voltage Comparator	Single-Supply Dual Comparator	Various	Voffset=7mV, Ioffset=50nA, Ibias=250nA, Response Time=800ns, Voltage Gain=106dB	
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NJM25xx	NJM2503	Video Switch	3-Input/2-Input Video Switch	Video Products	Refer to datasheet	
	NJM2506	Video Switch	3-Input/2-Input Video Switch	Video Products	Refer to datasheet	
	NJM2508	Video Switch	3-Input/2-Input Video Switch	Video Products	Refer to datasheet	
	NJM2509	Video Imposer	Video Super Imposer with Y-C Mixer	Video Products	Refer to datasheet	
	NJM2513	Video Switch	3-Input/2-Input Video Switch	Video Products	Refer to datasheet	
	NJM2519A	RF Modulator	RF Modulator for VHF Band	Video Products	Vcc=5V, VHF Oscillator on-chip, Regulator on-chip	DMP8
	NJM2520	Audio Switch	2-Input 1-Output Audio Switch	Audio & Video Products	Refer to datasheet	

	NJM2521	Audio Switch	3-Input 1-Output Audio Switch	Audio & Video Products	Refer to datasheet	
	NJM2523	Video Switch	3-Input/2-Input Video Switch	Video Products	Refer to datasheet	
	NJM2529	Signal Processor	Color TFT Signal Processor	Color TFT LCD Displays	Y/C Separator Circuit, Color Signal Modulator, Synchronous Separate Circuit, RGB Interface, Side Black Control Circuit, Common-Pole Driver, NTSC/PAL Matching, Bipolar Technology	QFP64-N1
	NJM2531A	TV Tuner	Mixer and Oscillator for TV Tuner	Video Products	Vcc=5V, Mixer/Oscillator/IF Amplifier/OSC Buffer	SSOP16
	NJM2533	Video Switch	2-Input 1-Output Video Switch	Video Products	Refer to datasheet	
	NJM2534	Video Switch	3-Input 1-Output Video Switch	Video Products	Refer to datasheet	
	NJM2535	Video Switch	3-Input 1-Output Video Switch	Video Products	Refer to datasheet	
	NJM2536A	RF Modulator	RF Modulator for VHF Band	Video Products	Vcc=5V, Picture-to-Sound Ratio Adjustability, VHF Oscillator on-chip, Carrier Off Switch Function on-chip, Regulator on-chip	DMP14, SSOP14
	NJM2537	Pager	FM IF IC for Pagers	Pagers	Refer to datasheet	
	NJM2538	Video Amp	Video Amplifier with 75 Ohm Driver	Video Products	Refer to datasheet	
	NJM2538B	Video Amp	Video Amplifier with 75 Ohm Driver	Video Products	Refer to datasheet	
	NJM2540	TV Tuner	Mixer and Oscillator for TV Tuner	Video Products	Vcc=5V, Mixer/Oscillator/IF Amplifier/OSC Buffer	SSOP16
	NJM2542	VIF/SIF Demodulator	VIF/SIF Demodulator	Video Products	Vcc=5V, Alignment-free Automatic Frequency Tuning, Alignment-free FM-PLL Demodulator, Inter-carrier type	SSOP20
	NJM2543	TV Tuner	Mixer and Oscillator for TV Tuner	Video Products	Vcc=5V, Mixer/Oscillator/IF Amplifier/OSC Buffer	SSOP16
	NJM2555	Crystal Oscillator	622.08 MHz VCXO IC	Crystal Oscillators	Vcc=2.7V to 3.6V, VCXO-based, XTAL/Input Freq.=155.52 MHz (typ) (120 MHz to 160 MHz), Output Freq.=622.08 MHz (480 MHz to 640 MHz), Output Level: PECL, Variable Capacitor on-chip, Bipolar Technology	Thin Die
	NJM2568	Video Amp	Video Amplifier with 75 Ohm Driver	Video Products	Refer to datasheet	
	NJM2569	Video Amp	3 Channel Video Amplifier for Color Difference Signal	Video Products	Refer to datasheet	

	<i>New!</i>	NJM2570	Video Amp	70 Ohm Driver with Filer and Y/C Mixer	Video Products	Refer to datasheet	
	<i>New!</i>	NJM2571	Video Amp	Low Voltage Video Amplifier with LPF	Video Products	Refer to datasheet	
	<i>New!</i>	NJM2573	Video Amp	Low Voltage Video Amplifier with LPF	Video Products	Refer to datasheet	
		NJM2574	Video Amp	Low Voltage Video Amplifier with LPF	Video Products	V+=2.8V to 5.5V, Vopr=3V, Icc=9mA, Bipolar Technology	TVSP8
		NJM2575	Video Amp	Low Voltage Video Amplifier with LPF	Video Products	V+=2.8V to 5.5V, Vopr=3V, Icc=7mA, Bipolar Technology	MTP6
	<i>New!</i>	NJM2576	Video Amp	Low Voltage Video Amplifier with LPF	Video Products	Refer to datasheet	
	<i>New!</i>	NJM2577	Video Amp	Quad Video Driver	Video Products	Refer to datasheet	
		NJM2580	Video Amp	Single Supply Wide Band Triple Video Amplifier	Various	V+=12V, Vopr=4.5V to 5.5V, Icc=23mA, f=50MHz, Bipolar Technology	DIP14, DMP14
		NJM2581	Video Amp	Dual Supply Wide Band Triple Video Amplifier	Video Products	V+=±6V, Vopr=±4V to ±5V, Icc=23mA, f=50MHz, Bipolar Technology	DIP14, DMP14
		NJM2584	Video Switch	Wide Band Three-Circuit Video Switch	Video Products	Vcc=10V, Vopr=4.5V to 9V, Icc=10mA, f=50MHz, Bipolar Technology	DIP16, DMP16
	<i>New!</i>	NJM2590	Video IC	455 kHz Input FM IF Demodulator IC	Video Products	Vcc=1.6V to 4.0V, Icc=550uA, IF Freq=455 kHz, RSSI Comparator, Bipolar Technology	SSOP14
	<i>New!</i>	NJU2594	Video IC	Double Balanced Modulation/Demodulation	Video Products	Vcc=5V, Excellent Carrier Suppression, Bipolar Technology	DMP8, SSOP8
		NJM2595	Video Switch	5-Input 3-Output Video Switch	Video Products	Vcc=4.0V to 6.5V, Icc=15mA, Crosstalk= -65dB, Internal 6dB Amplifier, Internal 75 Ohm Driver, Bipolar Technology	DIP16, DMP16
		NJM2596	Video Switch	5-Input 3-Output Video Switch for S2	Video Products	Refer to datasheet	
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		NJM2606	DC Motor Controller	Low Voltage DC Motor Controller	DC Motor-based Applications	Refer to datasheet	
		NJM2606A	DC Motor Controller	Low Voltage DC Motor Controller	DC Motor-based Applications	Refer to datasheet	
		NJM2611	Servo Motor Controller	Servo Motor Controller	Servo Motor-based Applications	Refer to datasheet	
		NJM2624A	Brushless DC Motor Pre-Driver	Brushless DC Motor Pre-Driver	Brushless Fans	Refer to datasheet	
	<i>New!</i>	NJM2625	Brushless DC Motor Controller	3-Phase Brushless DC Motor Controller	Brushless Fans	Refer to datasheet	

NJM26xx

NJM27xx	New!	NJM2650	DC Motor Controller	Hall Amplifier IC	Brushless Fans	Refer to datasheet	
		NJM2700	Audio Processor	SRS WOW Audio Processor	Audio Products	Refer to datasheet	
		NJM2701	Audio Processor	3D Surround Audio Processor	Audio Products	V+=14V, Vopr=4.7V to 13V, Icc=2.9mA to 8.9mA, Bipolar Technology	DIP14, DMP14
		NJM2702	Audio Processor	3D Surround Audio Processor	Audio Products	V+=14V, Vopr=4.7V to 13V, Icc=3mA to 9mA, Bipolar Technology	DIP14, DMP14, SSOP10
		NJM2703	Audio Processor	3D Surround Audio Processor for Headphone	Audio Products	Refer to datasheet	
	New!	NJM2704	Audio Processor	3D Surround Audio Processor for Headphone	Audio Products	Refer to datasheet	
	New!	NJM2705	Audio Processor	Surround Audio Processor for Mobile Applications	Mobile Audio Applications	Refer to datasheet	
	New!	NJM2710	Op Amp	Ultra High-Speed Hex Operational Amplifier	Audio Products	High Speed & Wide Band, Hex, Single Supply, Power Supply=±2V~±4.5V, Voffset=7mV, Ioffset=7,000nA, Ibias=500nA, Ioper=11.4mA, ft/GBW=180/ft MHz, Slew Rate=320V/us, Noise=6.8nV/Hz	
	New!	NJM2711	Op Amp	Ultra High-Speed Single Operational Amplifier	Various	Refer to datasheet	
	New!	NJM2712	Op Amp	Ultra High Speed Single Operational Amplifier	Various	Refer to datasheet	
		NJM2716	Op Amp	Single-Supply Hi-Slew Rate Single Operational Amplifier	Audio Products	High Speed & Wide Band, Single, Single Supply, Power Supply=2.7V~12V, Voffset=5mV, Ioffset=500nA, Ibias=2,500nA, Ioper=4.2mA, ft/GBW=30/ft MHz, Slew Rate=40V/us	
	New!	NJM2730	Op Amp	Low Supply Voltage Single Operational Amplifier with Full Swing Input and Output	Various	Refer to datasheet	
		NJM2750	Audio Selector	4-Input/1-Output Stereo Audio Selector	Audio Products	V+=15V, Vopr=4.7V to 13V, Icc=10mA, Vref=4V to 5V, Bipolar Technology	DMP16

	NJM2768	Headphone Amp	Headphone Amplifier for CD-ROM	CD-ROM Drives	Refer to datasheet	
	NJM2768B	Headphone Amp	Headphone Amplifier for CD-ROM	CD-ROM Drives	V+=7V, Vopr=2.8V to 5.5V, Icc=2mA, Vref=2.1V, Bipolar Technology	DMP8, TVSP8
	NJM2769A	Headphone Amp	Headphone Amplifier for CD-ROM	CD-ROM Drives	Refer to datasheet	
	NJM2769B	Headphone Amp	Headphone Amplifier for CD-ROM	CD-ROM Drives	V+=7V, Vopr=2.8V to 5.5V, Icc=2mA, Vref=2.1V, Bipolar Technology	DMP8, TVSP8
	NJM2770	Power Amp	High Power and Low Voltage Audio Power Amplifier	Audio Products	Refer to datasheet	
	NJM2772	Headphone Amp	Low Voltage Headphone Amplifier for Portable Audio Set	Audio Products	Refer to datasheet	
	NJM2775A	Power Amp	Pre & Hi-Power Amplifier with ALC for Portable Tape Recorder	Portable Tape Recorder	Refer to datasheet	
<i>New!</i>	NJM2781	Audio Amp	Monaural Microphone Amplifier	Audio Products	Refer to datasheet	
	NJM2790	Audio Amp	Audio Line Amplifier with Mute Function	Audio Products	V+=7V, Vopr=2.8V to 5.5V, Icc=2.5mA, Vref=2.3V, Bipolar Technology	SSOP14
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<i>New!</i>	NJM2800	LDO Regulator	Low Dropout Voltage Regulator with Reset	Communications, Handheld Devices, Battery-operated Devices, Low Current Devices, and High Performance Microprocessors with Sleep Mode	Refer to datasheet	
<i>New!</i>	NJM2801	LDO Regulator	Low Dropout Voltage Regulator with Reset	Communications, Handheld Devices, Battery-operated Devices, Low Current Devices, and High Performance Microprocessors with Sleep Mode	Refer to datasheet	
<i>New!</i>	NJM2860	LDO Regulator	Low Dropout Voltage Regulator	Communications, Handheld Devices, Battery-operated Devices, Low Current Devices, and High Performance Microprocessors with Sleep Mode	Refer to datasheet	

NJM28xx

				Communications, Handheld Devices, Battery-operated Devices, Low Current Devices, and High Performance Microprocessors with Sleep Mode		
New!	NJM2861	LDO Regulator	Low Dropout Voltage Regulator	Communications, Handheld Devices, Battery-operated Devices, Low Current Devices, and High Performance Microprocessors with Sleep Mode	Refer to datasheet	
New!	NJM2862	LDO Regulator	Low Dropout Voltage Regulator	Communications, Handheld Devices, Battery-operated Devices, Low Current Devices, and High Performance Microprocessors with Sleep Mode	Refer to datasheet	
	NJM2870	LDO Regulator	Low Dropout Voltage Regulator	Communications, Handheld Devices, Battery-operated Devices, Low Current Devices, and High Performance Microprocessors with Sleep Mode	Vout=1.8V-5.0V, Low Noise=30u Vrms (typ), High Ripple Rejection=60dB (typ) (@ f=1kHz), Low Dropout Voltage=0.1V (typ) (@ Io=60mA), Io (max)=150mA	MTP5
	NJM2781	LDO Regulator	Low Dropout Voltage Regulator	Communications, Handheld Devices, Battery-operated Devices, Low Current Devices, and High Performance Microprocessors with Sleep Mode	Vout=2.7V-3.0V, Low Noise Voltage=20uVrms (typ), High Ripple Rejection=70dB (typ) (@ f=1kHz), High Precision Output=±1%, Low Dropout Voltage=0.1V (typ) (@ Io=60mA), Io (max)=150mA	MTP5
	NJM2871A	LDO Regulator	Low Dropout Voltage Regulator	Communications, Handheld Devices, Battery-operated Devices, Low Current Devices, and High Performance Microprocessors with Sleep Mode	Vout=2.7V-3.0V, Low Noise Voltage=20uVrms (typ), High Ripple Rejection=70dB (typ) (@ f=1kHz), High Precision Output=±1%, Low Dropout Voltage=0.1V (typ) (@ Io=60mA), Io (max)=150mA	MTP5
	NJM2872	LDO Regulator	Low Dropout Voltage Regulator	Communications, Handheld Devices, Battery-operated Devices, Low Current Devices, and High Performance Microprocessors with Sleep Mode	Vout=2.7V-3.0V, Low Noise Voltage=20uVrms (typ), High Ripple Rejection=70dB (typ) (@ f=1kHz), High Precision Output=±1%, Low Dropout Voltage=0.1V (typ) (@ Io=60mA), Io (max)=150mA	MTP5
	NJM2872A	LDO Regulator	Low Dropout Voltage Regulator	Communications, Handheld Devices, Battery-operated Devices, Low Current Devices, and High Performance Microprocessors with Sleep Mode	Vout=2.7V-3.0V, Low Noise Voltage=20uVrms (typ), High Ripple Rejection=70dB (typ) (@ f=1kHz), High Precision Output=±1%, Low Dropout Voltage=0.1V (typ) (@ Io=60mA), Io (max)=150mA	MTP5

NJM29xx	<i>New!</i>	NJM2873	LDO Regulator	Low Dropout Voltage Regulator	Communications, Handheld Devices, Battery-operated Devices, Low Current Devices, and High Performance Microprocessors with Sleep Mode	Refer to datasheet
	<i>New!</i>	NJM2880	LDO Regulator	Low Dropout Voltage Regulator	Communications, Handheld Devices, Battery-operated Devices, Low Current Devices, and High Performance Microprocessors with Sleep Mode	Refer to datasheet
	<i>New!</i>	NJM2890	LDO Regulator	2ch Low Dropout Voltage Regulator	Communications, Handheld Devices, Battery-operated Devices, Low Current Devices, and High Performance Microprocessors with Sleep Mode	Refer to datasheet
	<i>New!</i>	NJM2891	LDO Regulator	2ch Low Dropout Voltage Regulator	Communications, Handheld Devices, Battery-operated Devices, Low Current Devices, and High Performance Microprocessors with Sleep Mode	Refer to datasheet
		NJM2901M	Voltage Comparator	Single-Supply Quad Comparator	Various	Refer to datasheet
		NJM2901N	Voltage Comparator	Single-Supply Quad Comparator	Various	Refer to datasheet
		NJM2902	Op Amp	Quad Single-Supply Operational Amplifier	Various	General, Quad, Single Supply, Voffset=10nA, Ioffset=50nA, Ibias=500nA, Ioper=1mA, ft/GBW=0.5/GB MHz, Slew Rate=0.5V/us
		NJM2903D	Voltage Comparator	Single-Supply Dual Comparator	Various	Refer to datasheet
		NJM2903M	Voltage Comparator	Single-Supply Dual Comparator	Various	Refer to datasheet
		NJM2904	Op Amp	Single-Supply Dual Operational Amplifier	Various	General, Dual, Single Supply, Voffset=7mV, Ioffset=50nA, Ibias=250nA, Ioper=0.7mA, ft/GBW=0.6/ft, Slew Rate=0.5V/us
		NJM2930 Series	Voltage Regulator	3-Terminal Positive Voltage Regulator	Various	Series Regulator, Positive Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=100-150mA, Vio≤0.6V

NJM31x		NJM311D	Voltage Comparator	Precision Voltage Comparator	Various	Refer to datasheet
		NJM311M	Voltage Comparator	Precision Voltage Comparator	Various	Precision, Voffset=7.5mA, Ioffset=50nA, Ibias=250nA, Response Time=200ns, Voltage Gain=106dB
		NJM317	Voltage Regulator	Adjustable 3-Terminal Positive Voltage Regulator	Various	Io=1.5A (Max)
		NJM318	Op Amp	Precision High-Speed Operational Amplifier	Various	Single, Dual Supply, Voffset=10mV, Ioffset=200nA, Ibias=500nA, Ioper=5mA, ft/GBW=15/GB MHz, Slew Rate=75V/us
		NJM319D	Voltage Comparator	Voltage Comparator	Various	High Speed, Dual, Voffset=8mV, Ioffset=200nA, Ibias=1,000nA, Response Time=80ns, Voltage Gain=106dB
		NJM319M	Voltage Comparator	Voltage Comparator	Various	High Speed, Dual, Voffset=8mV, Ioffset=200nA, Ibias=1,000nA, Response Time=80ns, Voltage Gain=106dB
NJM32x		NJM324	Op Amp	Single-Supply Quad Operational Amplifier	Various	General, Quad, Single Supply, Voffset=7nA, Ioffset=50nA, Ibias=250nA, Ioper=0.7mA
NJM33xx		NJM3357	FM Interface	Low Power Narrow Band FM IF	Audio Products	Refer to datasheet
		NJM3359	FM Interface	Low Power Narrow Band FM IF	Audio Products	Refer to datasheet
NJM34xx		NJM3403A	Op Amp	Single-Supply Quad Operational Amplifier	Various	Low Distortion, Quad, Single Supply, Voffset=5mV, Ioffset=50nA, Ibias=200nA, Ioper=2mA, ft/GBW=1.2GB MHz, Slew Rate=1.2V/us
		NJM3404A	Op Amp	Single-Supply Dual Operational Amplifier	Various	Low Distortion, Dual, Single Supply, Voffset=5mV, Ioffset=50nA, Ibias=200nA, Ioper=2mA, ft/GBW=1.2GB MHz, Slew Rate=1.2V/us
		NJM3414A	Op Amp	Single-Supply Dual High Current Operational Amplifier	Various	Refer to datasheet
		NJM3470	FDD Amp	FDD Read Amplifier System	Floppy Disk Drives	Refer to datasheet
		NJM3470A	FDD Amp	FDD Read Amplifier System	Floppy Disk Drives	Refer to datasheet
NJM35xx		NJM3517	Stepper Motor Controller/ Driver	Stepper Motor Controller/Driver	Stepper Motor-based Applications	Refer to datasheet

	NJM3524	Switching Regulator	Switching Regulator Control Circuit	Various	Refer to datasheet	
	NJM353	Op Amp	Dual J-FET Input Operational Amplifier	Various	FET Input, Dual, Dual Supply, Voffset=10mV, Ioffset=0.1nA, Ibias=0.2nA, Ioper=3.6mA, ft/GBW=4/ft MHz, Slew Rate=13V/us, Noise=16nV/Hz (Vni)	
	NJM3545	Sync Driver	Universal Sync Driver	Various	Refer to datasheet	
	NJM3548	Source Driver	Universal Source Driver	Various	Refer to datasheet	
NJM36x	NJM360	Differential Comparator	High Speed Differential Comparator	Various	High Speed Voltage Comparator, Voffset=5mV, Ioffset=3,000nA, Ibias=20,000nA, Response Time=14ns	
NJM37xx	NJM3717	Stepper Motor Driver	Stepper Motor Driver	Stepper Motor-based Applications	Refer to datasheet	
	NJM3770A	Stepper Motor Driver	Stepper Motor Driver	Stepper Motor-based Applications	Refer to datasheet	
	NJM3771	Stepper Motor Driver	Dual Stepper Motor Driver	Stepper Motor-based Applications	Refer to datasheet	
	NJM37717	Stepper Motor Driver	Stepper Motor Driver	Stepper Motor-based Applications	Refer to datasheet	
	NJM3772	Stepper Motor Driver	Dual Stepper Motor Driver	Stepper Motor-based Applications	Refer to datasheet	
	NJM3773	Stepper Motor Driver	Dual Stepper Motor Driver	Stepper Motor-based Applications	Refer to datasheet	
	NJM3774	Stepper Motor Driver	Dual Stepper Motor Driver	Stepper Motor-based Applications	Refer to datasheet	
	NJM3775	Stepper Motor Driver	Dual Stepper Motor Driver	Stepper Motor-based Applications	Refer to datasheet	
	NJM3776	Stepper Motor Driver	Dual Controller for High-Current Stepper Motor	Stepper Motor-based Applications	Refer to datasheet	
	NJM3777	Stepper Motor Driver	Dual Stepper Motor Driver	Stepper Motor-based Applications	Refer to datasheet	
	NJM37770	Stepper Motor Driver	Stepper Motor Driver	Stepper Motor-based Applications	Refer to datasheet	
NJM38x	NJM386	Audio Amp	Low Voltage Audio Power Amplifier	Audio Products	Refer to datasheet	
	NJM386B	Audio Amp	Low Voltage Audio Power Amplifier	Audio Products	Refer to datasheet	
NJM41xx	NJM4151	V-F/F-V Converter	V-F/F-V Converter	Various	Refer to datasheet	
NJM42xx	NJM4250	Op Amp	Micro-Power Operational Amplifier	Various	Low Power, Single, Dual Supply, Voffset=6mV, Ioffset=20nA, Ibias=70nA, Ioper=0.1 mA (Max)	

NJM43x	NJM431	Shunt Regulator/Battery Charger	Adjustable Precision Shunt Regulator	Shunt Regulators, Series Regulator for small power and isolation regulators with photo couplers	Vka=Vref to 36V, Fast Turn-on Responsibility, Cathode Current=1mA to 100mA, Low Dynamic Output Impedance=0.2 Ohm (typ), Io=100mA (Max)	DIP8, DMP8, TO-92, SOT-89
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NJM45xx	NJM4556A	Op Amp	Dual High Current Operational Amplifier	Various	General, Dual, Dual Supply, Voffset=6mV, Ioffset=200nA, Ibias=500nA, Ioper=3.5mA, ft/GBW=3/GB MHz, Slew Rate=1V/us	
	NJM4558D	Op Amp	Dual Operational Amplifier	Various	General, Dual, Dual Supply, Voffset=6mV, Ioffset=200nA, Ibias=500nA, Ioper=3.5mA, ft/GBW=3/GB MHz, Slew Rate=1V/us	
	NJM4558E	Op Amp	Dual Operational Amplifier	Various	General, Dual, Dual Supply, Voffset=6mV, Ioffset=200nA, Ibias=500nA, Ioper=3.5mA, ft/GBW=3/GB MHz, Slew Rate=1V/us	
	NJM4558M	Op Amp	Dual Operational Amplifier	Various	General, Dual, Dual Supply, V+=+4V (min) to +18V (max), Vio=0.5mV (typ) to 6.0mV, Icc=3.5mA (typ) to 5.7mA (max), SR=1.0V/us	
	NJM4559	Op Amp	Dual Operational Amplifier	Various	General, Dual, Dual Supply, Voffset=6mV, Ioffset=200nA, Ibias=500nA, Ioper=3.5mA, ft/GBW=6/GB MHz, Slew Rate=2V/us	
	NJM4560D	Op Amp	Dual Operational Amplifier	Various	Wide Band/Low Noise, Dual/Quad, Dual Supply, Voffset=6mV, Ioffset=200nA, Ibias=500nA, Ioper=4.3mA, ft/GBW=10/GB MHz, Slew Rate=4V/us, Noise=1.2uV (Vin)	
	NJM4560E	Op Amp	Dual Operational Amplifier	Various	Wide Band/Low Noise, Dual/Quad, Dual Supply, Voffset=6mV, Ioffset=200nA, Ibias=500nA, Ioper=4.3mA, ft/GBW=10/GB MHz, Slew Rate=4V/us, Noise=1.2uV (Vin)	
	NJM4560M	Op Amp	Dual Operational Amplifier	Various	Wide Band/Low Noise, Dual/Quad, Dual Supply, Voffset=6mV, Ioffset=200nA, Ibias=500nA, Ioper=4.3mA, ft/GBW=10/GB MHz, Slew Rate=4V/us, Noise=1.2uV (Vin)	
	NJM4562	Op Amp	Dual Operational Amplifier	Various		
	NJM4565	Op Amp	Dual Operational Amplifier	Various	Wide Band/Low Noise, Dual/Quad, Dual Supply, Voffset=3mV, Ioffset=50nA, Ibias=200nA, Ioper=4.5mA, ft/GBW=10/GB MHz, Slew Rate=4V/us, Noise=1.2uV (Vin)	
	NJM4580	Op Amp	Dual Operational Amplifier	Various	High Performance, Dual, Dual Supply, Voffset=3mV, Ioffset=200nA, Ibias=500nA, Ioper=6mA, ft/GBW=15/GB MHz, Slew Rate=5V/us, Noise=0.8uVrms (Vni)	
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	NJM47xx	NJM4741	Op Amp	General Purpose Quad Operational Amplifier	Various	General, Quad, Dual Supply, Voffset=6mV, Ioffset=50nA, Ibias=300nA, Ioper=7mA (Max), ft/GBW=3.5/GB MHz, Slew Rate=5V/us

NJM55x	NJM5532D	Op Amp	High Performance Low-Noise Dual Operational Amplifier	Various	Wide Band/Precision/High Output, Dual/Quad, Single/Dual Supply, Voffset=0.45-4mV, Ioffset=7-150nA, Ibias=50-800nA, Ioper=1-9mA, ft/GBW=1-10/GB MHz, Slew Rate=0.3-8V/us, Noise=5nV/Hz (en)	
	NJM5532M	Op Amp	High Performance Low-Noise Dual Operational Amplifier	Various	Wide Band/Precision/High Output/Low Noise, Dual/Quad, Single/Dual Supply, Voffset=0.45-4mV, Ioffset=7-150nA, Ibias=50-800nA, Ioper=1-9mA, ft/GBW=1-10/GB MHz, Slew Rate=0.3-8V/us, Noise=5nV/Hz (en)	
NJM55xx	NJM5534	Op Amp	High Performance Low-Noise Dual Operational Amplifier	Various	Low Noise, Single, Dual Supply, Voffset=4mV, Ioffset=300nA, Ibias=1,500nA, Ioper=4mA, ft/GBW=10/GB MHz, Slew Rate=13V/us, Noise=3.3nV/Hz (en)	
	NJM555D	Timer	Timer	Various	Refer to datasheet	
	NJM555E	Timer	Timer	Various	Refer to datasheet	
	NJM555M	Timer	Timer	Various	Refer to datasheet	
	NJM556D	Timer	Dual Timer	Various	Refer to datasheet	
	NJM556M	Timer	Dual Timer	Various	Refer to datasheet	
	NJM56x	NJM567	Decoder/PLL	Tone Decoder/Phased Lock Loop	Phone & Audio Applications	Refer to datasheet
NJM59x	NJM592	Video Amp	Video Amplifier	Video Applications	Refer to datasheet	
NJM72x	NJM7204 Series	Voltage Regulator	2-Output Positive Voltage Regulator, Low Dropout Voltage	Various	I _o =40mA/circuit	
	NJM7224 Series	Voltage Regulator	2-Output Positive Voltage Regulator, Low Dropout Voltage	Various	I _o =40mA/circuit, V _{out} =±2%	
	NJU7241 Series	Voltage Regulator	CMOS Positive High Precision 2% Voltage Regulator with ON/OFF Control	Various	Refer to datasheet	
	NJM723D	Voltage Regulator	Precision Voltage Regulator	Various	Refer to datasheet	
	NJM723M	Voltage Regulator	Precision Voltage Regulator	Various	I _o =150mA (Max)	
	NJM73xx	NJM7381	LED Driver	EL Lamp Driver	Various	Refer to datasheet

NJM74x	NJM741	Op Amp	Operational Amplifier	Various	General, Single, Dual Supply, Voffset=6mV, Ioffset=200nA, Ibias=500nA, Ioper=1.7mA, Slew Rate=0.5V/us
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NJM78xx	NJM7800	Voltage Regulator	3-Terminal Positive Voltage Regulator	Various	Series Regulator, Positive Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=1.5mA
	NJM7810FA	Voltage Regulator	3-Terminal Positive Voltage Regulator	Various	Series Regulator, Positive Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=1.5mA
	NJM7812DL1	Voltage Regulator	3-Terminal Positive Voltage Regulator	Various	Series Regulator, Positive Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=1.5mA
	NJM78L00	Voltage Regulator	3-Terminal Positive Voltage Regulator	Various	Series Regulator, Positive Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=100mA
	NJM78L06A	Voltage Regulator	3-Terminal Positive Voltage Regulator	Various	Series Regulator, Positive Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=100mA
	NJM78L08A	Voltage Regulator	3-Terminal Positive Voltage Regulator	Various	Series Regulator, Positive Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=100mA
	NJM78L09A	Voltage Regulator	3-Terminal Positive Voltage Regulator	Various	Series Regulator, Positive Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=100mA
	NJM78L18A	Voltage Regulator	3-Terminal Positive Voltage Regulator	Various	Series Regulator, Positive Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=100mA
	NJM78L20A	Voltage Regulator	3-Terminal Positive Voltage Regulator	Various	Series Regulator, Positive Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=100mA
	NJM78L24A	Voltage Regulator	3-Terminal Positive Voltage Regulator	Various	Series Regulator, Positive Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=100mA
	NJM78LR05	Voltage Regulator	Series Regulator with Reset Function	Various	Series Regulator, Positive Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=100mA, Reset Function
	NJM78M00	Voltage Regulator	3-Terminal Positive Voltage Regulator	Various	Series Regulator, Positive Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=500mA
	NJM78M05DL1A	Voltage Regulator	3-Terminal Positive Voltage Regulator	Various	Series Regulator, Positive Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=500mA

NJM79xx	NJM78M10FA	Voltage Regulator	3-Terminal Positive Voltage Regulator	Various	Series Regulator, Positive Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=500mA
	NJM78M18FA	Voltage Regulator	3-Terminal Positive Voltage Regulator	Various	Series Regulator, Positive Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=500mA
	NJM78M20FA	Voltage Regulator	3-Terminal Positive Voltage Regulator	Various	Series Regulator, Positive Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=500mA
	NJM7900	Voltage Regulator	3-Terminal Negative Voltage Regulator	Various	Series Regulator, Negative Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=1.5mA
	NJM79L00	Voltage Regulator	3-Terminal Negative Voltage Regulator	Various	Series Regulator, Negative Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=100mA
	NJM79L05A	Voltage Regulator	3-Terminal Negative Voltage Regulator	Various	Series Regulator, Negative Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=100mA
	NJM79L06A	Voltage Regulator	3-Terminal Negative Voltage Regulator	Various	Series Regulator, Negative Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=100mA
	NJM79L08A	Voltage Regulator	3-Terminal Negative Voltage Regulator	Various	Series Regulator, Negative Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=100mA
	NJM79L09A	Voltage Regulator	3-Terminal Negative Voltage Regulator	Various	Series Regulator, Negative Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=100mA
	NJM79L12A	Voltage Regulator	3-Terminal Negative Voltage Regulator	Various	Series Regulator, Negative Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=100mA
	NJM79L15A	Voltage Regulator	3-Terminal Negative Voltage Regulator	Various	Series Regulator, Negative Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=100mA
	NJM79L18A	Voltage Regulator	3-Terminal Negative Voltage Regulator	Various	Series Regulator, Negative Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=100mA
	NJM79L24A	Voltage Regulator	3-Terminal Negative Voltage Regulator	Various	Series Regulator, Negative Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=100mA
	NJM79M00	Voltage Regulator	3-Terminal Negative Voltage Regulator	Various	Series Regulator, Negative Voltage Regulator (3-Terminal), Vo=Refer to datasheet, Imax=500mA

	NJMxx		NJMDAC-08C	D/A Converter	8-Bit High Speed Multiplying D/A Converter	Various	Refer to datasheet	
			NJMOP-07	Op Amp	Ultra-Low Offset Voltage, Low Drift Operational Amplifier	Various	Precision/High Output, Single/Dual, Dual Supply, Voffset=0.15-6mV, Ioffset=6-60nA, Ibias=50-500nA, Ioper=±7-9mA, ft/GBW=0.5-8/GB, Slew Rate=0.17-3V/us	
NJU	NJU20x		NJU201A	Analog Switch	CMOS Quad SPST Analog Switch	Various	Refer to datasheet	
	NJU21x		NJU211	Analog Switch	CMOS Quad SPST Analog Switch	Various	Refer to datasheet	
	NJU25xxx		NJU25005	Audio Processor	Dolby Pro Logic Surround Processor	Audio Products	Dolby ProLogic, other Surround, 1536word x 16 bit Internal Delay RAM, 30ms (max) delay	QFP80
			NJU25006	Audio Processor	Virtual Dolby Surround Processor	Audio Products	Dolby ProLogic, Virtual Dolby Surround	QFP80
			NJU25007	Audio Processor	VMAx 3D Virtual Theatre Digital Audio Processor	Audio Products	Dolby ProLogic, VMAx, Tone Control	QFP80
			NJU25018	Audio Processor	TruSurround Digital Audio Processor with BBE	Audio Products	Dolby ProLogic, TruSurround, BBE	QFP80
			NJU25019	Audio Processor	Spatializer N-2-2 Digital Audio Processor with BBE	Audio Products	Dolby ProLogic, N-2-2, BBE	QFP80
			NJU25030	Audio Processor	Digital Audio Processor	Audio Products	Dolby Digital, Dolby ProLogic,	QFP80
			NJU25032	Audio Processor	Digital Audio Processor	Audio Products	Passive Matrix TruSurround, SRS/3D Mono, TruBass, BBE	QFP80
			NJU25033	Audio Processor	Digital Audio Processor	Audio Products	Dolby ProLogic, TruBass, BBE	QFP80
			NJU25102	Audio Processor	Digital Karaoke Audio Processor	Karaoke Systems	Refer to datasheet	
			NJU25301	Audio Processor	Dolby Digital AC-3 Decoder	Audio Products	VDD=5V, 16/18/20/24-Bit Resolution, 1/2/3/4 Channels, 3-wire Serial Data or I2C Bus, Dolby Digital, Dolby ProLogic, Surround and Center Channel Delays, Pink Noise Generator, Bass Management	QFP80
	NJU26xxx	New!	NJU26103	Audio Processor	Digital Audio Processor for TV	TV Application	Refer to datasheet	
New!		NJU26106	Audio Processor	Dolby Pro Logic II/Virtual Dolby Surround Decoder	Audio Products	Refer to datasheet		
NJU28xxx		NJU28001	MPEG-2	MPEG-2 Image Processor	Video Products	Refer to datasheet		
	NJU31xx		NJU3101	Tiny Controller	4-Bit Single Chip Tiny Controller	Various	Refer to datasheet	

	NJU3102	Tiny Controller	4-Bit Single Chip Tiny Controller	Various	Refer to datasheet		
	NJU3151	Tiny Controller	4-Bit Single Chip OTP Tiny Controller	Various	Refer to datasheet		
	NJU3152	Tiny Controller	4-Bit Single Chip OTP Tiny Controller	Various	Refer to datasheet		
NJU34xx	NJU3421A	VFD Controller	VFD Controller Driver	Various	Refer to datasheet		
	NJU3422	VFD Controller	VFD Controller Driver	Various	Refer to datasheet		
	NJU3423	VFD Controller	VFD Controller Driver	Various	Refer to datasheet		
	New!	NJU3426	VFD Controller	16-Segment 15-Digit VFD Controller/Driver	Various	Refer to datasheet	
		NJU3430	VFD Controller	VFD Controller Driver	Various	Refer to datasheet	
NJU35xx	NJU3501	Microcontroller	4-Bit Single Microcontroller	Various	Refer to datasheet		
	NJU3502	Microcontroller	4-Bit Single Microcontroller	Various	Refer to datasheet		
	NJU3503	Microcontroller	4-Bit Single Microcontroller	Various	Refer to datasheet		
		NJU3504	Microcontroller	4-Bit Single Microcontroller	Various	ROM=4096x8bits, Data RAM=256x4bits, Vcc=2.4V to 5.5V, f=30kHz to 4MHz, Refer to datasheet	QFP44-A1, SDIP42
		NJU3505	Microcontroller	4-Bit Single Microcontroller	Various	ROM=8192x8bits, Data RAM=256x4bits, Vcc=2.4V to 5.5V, f=30kHz to 4MHz, Refer to datasheet	QFP44-A1, SDIP42
		NJU3551	Microcontroller	4-Bit Single OTP Microcontroller	Various	Refer to datasheet	
		NJU3552	Microcontroller	4-Bit Single OTP Microcontroller	Various	Refer to datasheet	
		NJU3553	Microcontroller	4-Bit Single OTP Microcontroller	Various	Refer to datasheet	
		NJU3554	Microcontroller	4-Bit Single OTP Microcontroller	Various	Refer to datasheet	
		NJU3555	Microcontroller	4-Bit Single OTP Microcontroller	Various	Refer to datasheet	
NJU37xx	NJU3711	Serial to Parallel Converter	8-Bit Serial to Parallel Converter	Various	Refer to datasheet		
		NJU3712	Serial to Parallel Converter	8-Bit Serial to Parallel Converter	Various	Refer to datasheet	
		NJU3713	Serial to Parallel Converter	12-Bit Serial to Parallel Converter	Various	Refer to datasheet	
		NJU3714	Serial to Parallel Converter	12-Bit Serial to Parallel Converter	Various	Refer to datasheet	
		NJU3715	Serial to Parallel Converter	16-Bit Serial to Parallel Converter	Various	Refer to datasheet	
		NJU3716	Serial to Parallel Converter	16-Bit Serial to Parallel Converter	Various	Refer to datasheet	

NJU39xx		NJU3718	Serial to Parallel Converter	20-Bit Serial to Parallel Converter	Various	Refer to datasheet
		NJU3719	Serial to Parallel Converter	24-Bit Serial to Parallel Converter	Various	Refer to datasheet
		NJU3905	Microcontroller	4-Bit Single Chip Microcontroller with LCD Driver	Various	Refer to datasheet
		NJU39610	Motor Controller	MicroStepping Motor Controller with Dual DAC	Motor Applications	Refer to datasheet
		NJU39612	Motor Controller	MicroStepping Motor Controller with Dual DAC	Motor Applications	Refer to datasheet
NJU40xx		NJU4051BD	Multiplexer	Single 8-Channel Multiplexer	Various	Refer to datasheet
		NJU4051BM	Multiplexer	Single 8-Channel Multiplexer	Various	Refer to datasheet
		NJU4052BD	Multiplexer	Dual 4-Channel Multiplexer	Various	Refer to datasheet
		NJU4052BM	Multiplexer	Dual 4-Channel Multiplexer	Various	Refer to datasheet
		NJU4053BD	Multiplexer	Triple 2-Channel Multiplexer	Various	Refer to datasheet
		NJU4053BM	Multiplexer	Triple 2-Channel Multiplexer	Various	Refer to datasheet
	NJU4066B	Analog Switch	CMOS Quad Analog Switch	Various	Refer to datasheet	
	NJU4066B	Analog Switch	CMOS Quad Analog Switch	Various	Refer to datasheet	
NJU5xxx		NJU501 Series	Melody IC	Single Tone Melody CMOS	Telephones	Refer to datasheet
		NJU502 Series	Melody IC	Single Tone Melody with LED Blinking CMOS	Telephones	Refer to datasheet
		NJU5601	Paging Decoder	POCSAG Paging Decoder	Pagers, Telephone Paging Systems	Refer to datasheet
NJU60xx		NJU6014	Remote Controller	Remote Control Commander IC	Remote Control	Refer to datasheet
	New!	NJU6052	White LED	White LED Step-Up Converter with PWM Dimming Control	Various	Refer to datasheet
NJU63xx		NJU6301 Series	Analog Clock	Analog Clock IC	Clocks	Refer to datasheet
		NJU6302 Series	Analog Clock	Analog Clock IC	Clocks	Refer to datasheet

	NJU6303 Series	Analog Clock	Analog Clock IC	Clocks	Refer to datasheet	
	NJU6304 Series	Analog Clock	Analog Clock IC with Snooze Function	Clock Radios	Refer to datasheet	
	NJU6306 Series	Analog Clock	Analog Clock IC	Clock Radios	Refer to datasheet	
	NJU6318 Series	Crystal Oscillator	Quartz Crystal Oscillator (Versions A, B, C, D, W, P)	Crystal Oscillators	f (max)=50MHz, fo=fo, fo/2, fo/4, fo/8, loh=4mA, lol=16mA, Duty Cycle=50%±5% (@1.5V)	
	NJU6319 Series	Crystal Oscillator	Quartz Crystal Oscillator (Versions A, B, C, D, L, P)	Crystal Oscillators	f (max)=50MHz, fo=fo, fo/2, fo/4, fo/8, Vdd=+2.7V to +6.0V, loh=4mA, lol=4mA, Duty Cycle=50%±5% (@ Vdd/2)	Chip, EMP8, VSP8
	NJU6321 Series	Crystal Oscillator	Quartz Crystal Oscillator (Versions A, P)	Crystal Oscillators	f (max)=50MHz, fo=fo, fo/2, fo/4, fo/8, Vdd=+3.0V to +6.0V, loh=4mA, lol=4mA, Duty Cycle=50%±5% (@ Vdd/2)	Chip, EMP8
	NJU6322 Series	Crystal Oscillator	Quartz Crystal Oscillator (Versions L, M, N, U, K, W, P, T)	Crystal Oscillators	f (max)=50MHz, fo=fo, fo/2, fo/4, fo/8, Vdd=+3.0V to +6.0V, loh=4mA, lol=16mA, Oscillation Stop Transistor=Yes (for Version K only), Duty Cycle=50%±5% (@1.4V)	Chip, EMP8
	NJU6323 Series	Crystal Oscillator	Quartz Crystal Oscillator (Versions J, P)	Crystal Oscillators	f (max)=50MHz, fo=fo, fo/2, fo/4/fo/8, Vdd=+3.0V to +6.0V, loh=4mA, lol=16mA, Duty Cycle=50%±5% (@ Vdd/2)	Chip, EMP8
	NJU6324 Series	Crystal Oscillator	Quartz Crystal Oscillator (Versions L, M, N, U)	Gigabit Ethernet and High-Speed Applications	f (max)=50MHz, fo=fo, fo/2, fo/4/fo/8, Vdd=+3.0V to +6.0V, loh=4mA, lol=16mA, Duty Cycle=50%±5% (@ Vdd/2)	Chip, EMP8
	NJU6329 Series	Crystal Oscillator	Quartz Crystal Oscillator (Versions A, B, C, D)	Crystal Oscillators	f (max)=50MHz, fo=fo, fo/2, fo/4, fo/8, loh=4mA, lol=16mA, Duty Cycle=50%±5%	
	NJU6330 Series	Crystal Oscillator	Quartz Crystal Oscillator (Version A, B, C)	Crystal Oscillators	f(max)=35MHz/50MHz/75MHz, fo=fo, Vdd=+4.0V to +6.0V, loh=16mA, lol=16mA, Duty Cycle=50%±5% or ±10%	Chip, EMP8
	NJU6333 Series	Crystal Oscillator	Quartz Crystal Oscillator (Versions A, H, Q)	Crystal Oscillators	f(max)=35MHz/50MHz/75MHz, fo=fo, Vdd=+4.0V to +6.0V, loh=24mA, lol=24mA, Duty Cycle=50%±5% (@ 1.4V or Vdd/2)	Chip, EMP8
	NJU6338 Series	Crystal Oscillator	Quartz Crystal Oscillator (Versions A, B, C, D, H, J, K, L, Q, R, S, T)	Crystal Oscillators	f(max)=35MHz/50MHz/75MHz, fo=fo, fo/2, fo/4, fo/8, loh=4mA, lol=16mA, Duty Cycle=50%±5% (@1.4V)	Chip, EMP8
	NJU6339 Series	Crystal Oscillator	Quartz Crystal Oscillator (Versions A, B, C, D, H, J, K, L, Q, R, S, T)	Crystal Oscillators	f(max)=35MHz/50MHz/75MHz, fo=fo, fo/2, fo/4, fo/8, loh=4mA, lol=4mA, Duty Cycle=50%±5% (@ Vdd/2)	Chip, EMP8

	NJU6342 Series	Buffer	Tri-State Buffer (Version H)	Crystal Oscillators	f (max)=120MHz, fo=fo, loh=4mA/24mA, lol=8mA/24mA, Duty Cycle=50%±5% (@ 1.4V)	Chip, EMP8
	NJU6343	Crystal Oscillator	Refer to Datasheet	Crystal Oscillators	Refer to datasheet	
	NJU6350	Real Time Clock	Serial I/O Real Time Clock	Various	Refer to datasheet	
	NJU6355 Series	Real Time Clock	Serial I/O Real Time Clock	Various	Refer to datasheet	DIP8, DMP8
	NJU6356 Series	Real Time Clock	Serial I/O Real Time Clock	Various	Refer to datasheet	DIP8, DMP8
	NJU6358 Series	Real Time Clock	Serial I/O Real Time Clock	Various	Refer to datasheet	
	NJU6359 Series	Real Time Clock	Serial I/O Real Time Clock with Wake-up Output for External Clock	Various	Refer to datasheet	
	NJU6361A	Crystal Oscillator	Quartz Crystal Oscillator	Crystal Oscillators	f(max)=50MHz, fo=fo, fo/2, fo/4, fo/8, loh=4mA, lol=4mA, Oscillation Stop Transistor=Yes, Duty Cycle=50%±5% (@ Vdd/2)	
	NJU6362A	Crystal Oscillator	Quartz Crystal Oscillator (Version A)	Crystal Oscillators	f(max)=50MHz, fo=fo, loh=4mA, lol=16mA, Duty Cycle=50%±5% (@ Vdd/2)	
New!	NJU6363	Crystal Oscillator	Fundamental Mode Quartz Crystal Oscillator	Crystal Oscillators	Refer to datasheet	Chip
	NJU6366 Series	Crystal Oscillator	Small-sized Quartz Crystal Oscillator	Crystal Oscillators	f(max)=50MHz, fo=fo, fo/2, fo/4, fo/8, Vdd=+2.0V to +5.5V, loh=4mA, lol=4mA, Oscillation Stopping Function=Yes, Duty Cycle=50%±5% (@ Vdd/2)	Chip, MTP-6
New!	NJU6367 Series	Crystal Oscillator	Fundamental Mode Quartz Crystal Oscillator	Crystal Oscillators	f(max)=50MHz, Vcc=2V to 5.5V, fo=fo, fo/2, fo/4, fo/8, fo/16, fo/32, 3-State Output Buffer, Oscillation Stop & Stand-by Function, Integrated Capacitors (Cg and Cd) on-chip, CMOS Technology	Thin Chip
New!	NJU6369 Series	Crystal Oscillator	1.5V Operation Fundamental Quartz Crystal Oscillator	Crystal Oscillators	f(max)=70 MHz, Vcc=1.5V to 2.4V, Low Operating Current, loh/lol=3mA (at 1.8V), fout=fo, fo/2, fo/4, fo/8, fo/8, fo/16, fo/32, Oscillation Capacitors (Cg and Cd) on-chip, CMOS Technology	Thin Chip
	NJU6373 Series	Crystal Oscillator	Quartz Crystal Oscillator (Versions A, B, C, D, H, J, K, L, Q, R, S, T)	Crystal Oscillators	f(max)=35MHz/50MHz/75MHz, fo=fo, fo/2, fo/4, fo/8, Vdd=+4.0V to +6.0V, loh=4mA, lol=16mA, Duty Cycle=50%±5% (@1.4V)	Chip, EMP8
	NJU6374 Series	Crystal Oscillator	Quartz Crystal Oscillator (Versions A, B, C, D, H, J, K, L, Q, R, S, T)	Crystal Oscillators	f(max)=35MHz/50MHz/75MHz, fo=fo, fo/2, fo/4, fo/8, Vdd=+4.0V to +6.0V, loh=4mA, lol=4mA, Duty Cycle=50%±5% (@ Vdd/2)	Chip, EMP8

		NJU6375 Series	Crystal Oscillator	Quartz Crystal Oscillator (Versions A, B, C, H, J, K)	Crystal Oscillators	f(max)=35MHz/50MHz/75MHz, fo=fo, loh=16mA/24mA, Vdd=+4.0V to +6.0V, lol=16mA/24mA, Duty Cycle=50%±5% or ±10%	Chip, EMP8
		NJU6376 Series	Crystal Oscillator	Quartz Crystal Oscillator	Crystal Oscillators	f(max)=20MHz to 75MHz, Vdd=+2.2V to +5.5V, lo=4mA, Oscillation Stopping Function=Yes, Oscillation Standby Function= Yes	Chip, MTP-6
New!		NJU6377	Crystal Oscillator	2.2V 3rd Overtone Quartz Crystal Oscillator	Crystal Oscillators	fo=30MHz to 75MHz, Vcc=2.2V to 5.5V, Oscillation Stop & Output Stand-by Function, 3-State Output Buffer, Oscillation Capacitors (Cg and Cd) on-chip, CMOS Technology	Thin Chip
New!		NJU6379 Series	Crystal Oscillator	1.8V Operation 3rd Overtone Quartz Crystal Oscillator	Crystal Oscillators	f(max)=70 MHz, Vcc=1.8V to 3.3V, Low Operating Current, loh/lo=4mA (at 2.4V), Oscillation Stop/Output Stand-by Function, 3-State Output Buffer, Oscillation Capacitors (Cg and Cd) on-chip, CMOS Technology	Thin Chip
		NJU6391 Series	Crystal Oscillator	Quartz Crystal Oscillator (Versions A, B, C)	Crystal Oscillators	f(max)=35MHz/50MHz/75MHz, fo=fo, Vdd=+2.4V to +3.6V, loh=8mA, lol=8mA, Oscillation Stopping Function=Yes, Duty Cycle=50%±5% (@ Vdd/2)	Chip, EMP8
		NJU6392 Series	Crystal Oscillator	Quartz Crystal Oscillator (Versions A, B, C)	Crystal Oscillators	f(max)=35MHz/50MHz/75MHz, fo=fo, Vdd=+2.4V to +3.6V, loh=6mA, lol=6mA, Duty Cycle=50%±5% (@ Vdd/2)	Chip, EMP8
		NJU6393	Crystal Oscillator	Quartz Crystal Oscillator	Crystal Oscillators	f(max)=65MHz, fo=fo, Vdd=+2.2V to +2.8V, loh=6mA, lol=6mA, Oscillation Stopping Function=Yes, Duty Cycle=50%±5% (@ Vdd/2)	Chip
		NJU6395 Series	Crystal Oscillator	Quartz Crystal Oscillator (Versions A, B)	Gigabit Ethernet and High-Speed Communications Applications	f(max)=110MHz/125MHz, fo=fo, Vdd=+2.4V to +5.5V (Version A) or Vdd=+2.4V to +3.6V (Version B), loh=8mA, lol=8mA, Oscillation Stopping Function=Yes, Duty Cycle=50%±5% (Vdd/2)	Chip, EMP8
New!		NJU6396 Series	Crystal Oscillator	Quartz Crystal Oscillator for 166 MHz	Crystal Oscillators	f(max)=155 MHz (125 MHz to 166 MHz), Vcc=2.7V to 3.6V, loh/lo=8mA (at Vdd=3.3V), 3-Stage Output Buffer, Oscillation Capacitors (Cg and Cd) on-chip, CMOS Technology	Thin Chip
New!		NJU6397 Series	Crystal Oscillator	3rd Overtone Quartz Crystal Oscillator for 135 MHz	Crystal Oscillators	f(max)=135 MHz, Vcc=2.2V to 3.6V, Oscillation Stop & Output Stand-by Function, 3-State Output Buffer, Oscillation Capacitor (Cg and Cd) on-chip, CMOS Technology	Thin Chip

NJU64xx	NJU6401B	Line Driver/Receiver	RS232C Line Driver/Receiver	Various	Refer to datasheet
	NJU6402B	Line Driver/Receiver	RS232C Line Driver/Receiver	Various	Refer to datasheet
	NJU6406B	LCD Driver	24-Character 2-Line Dot Matrix LCD Controller Driver	LCD Displays	Character type, 12/14/24Ch.1L/2L/4L, Vdd=3V, 5V, Voltage Booster=x2, Vlcd=Vdd-13.5V, CGROM=9,600 bit, Font Size=5x7 dot, Duty=1/16, 1/32, Interface System Clock=2Mhz
	NJU6407C	LCD Driver	Dot Matrix LCD 40-Out Segment Driver	LCD Displays	Extension (Character type), 40OUT, Vdd=5V, Vlcd=Vdd-13.5V, Interface System Clock=3.3MHz
	NJU6407CR	LCD Driver	Dot Matrix LCD 40-Out Segment Driver	LCD Displays	Extension (Character type), 40OUT, 16Ch.4L (with NJU6426), 40Ch.1L (NJU6407CRx4 with NJU6408B or NJU6468), 80Ch.1L (NJU6407CRx9 with NJU6408B or NJU6468), Vdd=5V, Vlcd=Vdd-13.5V, Interface System Clock=3.3MHz
	NJU6408B	LCD Driver	8-Character 2-Line Dot Matrix LCD Controller Driver with Extension Function	LCD Displays	Character type, 8/16/40/80Ch.1L/2L, Vdd=5V, Vlcd=Vdd-13.5V, CGROM=12,000 bit, Font Size=5x7/5x11 dot, Duty=1/8, 1/16, Interface System Clock=2MHz
	NJU6413A	Line Driver/Receiver	Single-Supply RS232 Line Driver/Receiver		Refer to datasheet
	NJU6415	LCD Driver	Dot Matrix LCD 80-Out Segment Driver	LCD Displays	Extension (Character type), 80OUT, 24Ch.4L (with NJU6426), Vdd=5V, Vlcd=Vdd-13.5V, Interface System Clock=3.3MHz
	NJU6416	LCD Driver	Dot Matrix LCD 80-Out Segment Driver	LCD Displays	Extension (Character type), 80OUT, 24Ch.4L (with NJU6426), Vdd=5V, Vlcd=Vdd-13.5V, Interface System Clock=3.3MHz
	NJU6417C	LCD Driver	Dot Matrix LCD 64-Out Segment Driver	LCD Displays	Extension (Character type), 64OUT, 20Ch.4L (with NJU6426), Vdd=5V, Vlcd=Vdd-13.5V, Interface System Clock=6MHz
	NJU6420B	LCD Driver	16-Character 2-Line Dot Matrix LCD Controller Driver	LCD Displays	Character type, 8/16Ch.1L/2L/4L, Vdd=3V, 5V, Voltage Booster=x2, Vlcd=Vdd-13.5V, CGROM=9,600 bit, Bleeder Resistor=On-chip, Font Size=5x7 dot, Duty=1/16, 1/32, Interface System Clock=2MHz
	NJU6423B/BL/BS	LCD Driver	20-Character 2-Line Dot Matrix LCD Controller Driver	LCD Displays	Character type, 10/20/40Ch.1L/2L/4L, Vdd=3V, 5V, Voltage Booster=x2, Vlcd=Vdd-13.5V, CGROM=9,600 bit, Bleeder Resistor=On-chip, Font Size=5x7 dot, Duty=1/16, 1/32, Interface System Clock=2MHz

	NJU6424	LCD Driver	10-Character 3-Line Dot Matrix LCD Controller Driver	LCD Displays	Character type, 10Ch.3L, Vdd=3V, Voltage Booster=x3, Vlcd=Vdd-13.5V, CGROM=9,600 bit, Icon=100, Font Size=5x7 dot, Duty=1/26, Interface System Clock=2MHz, Hardware Reset=Yes
	NJU6425	LCD Driver	10-Character 3-Line Dot Matrix LCD Controller Driver	LCD Displays	Character type, 10Ch.2L/3L, Vdd=5V, Voltage Booster=x2, Vlcd=Vdd-13.5V, CGROM=9,600 bit, Font Size=5x7 dot, Duty=1/16, 1/32, Interface System Clock=2MHz
	NJU6426	LCD Driver	8-Character 4-Line Dot Matrix LCD Controller Driver with Extension Function	LCD Displays	Character type, 8/16/20/24Ch.2L/4L, Vdd=5V, Voltage Booster=x2, Vlcd=Vdd-13.5V, CGROM=9,600 bit, Bleeder Resistor=On-chip, Icon=40, Font Size=5x7 dot, Duty=1/36, Interface System Clock=2MHz, Hardware Reset=Yes
	NJU6427	LCD Driver	10-Character 3-Line Dot Matrix LCD Controller Driver	LCD Displays	Character type, 10Ch.2L/3L, Vdd=5V, Voltage Booster=x2, Vlcd=Vdd-13.5V, CGROM=9,600 bit, Icon=24, Font Size=5x7 dot, Duty=1/16, 1/32, Interface System Clock=2MHz
	NJU6428	LCD Driver	12-Character 2-Line Dot Matrix LCD Controller Driver	LCD Displays	Character type, 10/12/24Ch.1L/2L, Vdd=3V, Voltage Booster=x3, Vlcd=Vdd-13.5V, CGROM=9,600 bit, Bleeder Resistor=On-chip, Icon=60, Font Size=5x7 dot, Duty=1/18, 2/18, Interface System Clock=1MHz, Hardware Reset=Yes
	NJU6429	LCD Driver	12-Character 2-Line Dot Matrix LCD Controller Driver	LCD Displays	Character type, 10/12/24Ch.1L/2L, Vdd=3V, Voltage Booster=x3, Vlcd=Vdd-13.5V, CGROM=9,600 bit, Bleeder Resistor=On-chip, Icon=60, Font Size=5x7 dot, Duty=1/18, 2/18, Interface System Clock=1MHz, Hardware Reset=Yes
	NJU6432B	LCD Driver	Duplex LCD Driver	LCD Displays	Segment type, 2Com, 53Seg, Vdd=5V, Vlcd=6.5V, Duty=1/2
	NJU6433	LCD Driver	1/4 Duty LCD Driver	LCD Displays	Segment type, 4Com, 50Seg, Vdd=3V, 5V, Vlcd=Vdd-6.5V, Duty=1/4
	NJU6435 Series	LCD Driver	1/2, 1/3 Duty LCD Driver with Key Scan	LCD Displays	Segment type, 3Com, 40Seg, Vdd=5V, Vlcd=5.5V, Duty=1/2, 1/3, Key Scan Circuit=Yes
	NJU6436	LCD Driver	1/4 Duty LCD Driver with Key Scan	LCD Displays	Segment type, 4Com, 60Seg, Vdd=5V, Vlcd=Vdd-13.5V, Duty=1/4, Key Scan Circuit=Yes
	NJU6437	LCD Driver	1/4 Duty LCD Driver	LCD Displays	Segment type, 4Com, 32Seg, Vdd=3V, 5V, Vlcd=6V, Duty=1/4
	NJU6438	LCD Driver	1/4 Duty LCD Driver	LCD Displays	Segment type, 4Com, 40Seg, Vdd=3V, Vlcd=6V, Duty=1/4

	NJU6439	LCD Driver	1/4 Duty LCD Driver	LCD Displays	Segment type, 4Com, 40Seg, Vdd=3V, Vlcd=6V, Duty=1/4
	NJU6445	LCD Driver	Dot Matrix LCD 80-Out Segment Driver	LCD Displays	Extension (Character type), 80OUT, 24Ch.4L (with NJU6426), Vdd=5V, Vlcd=Vdd-10V, Interface System Clock=3.3MHz
	NJU6446	LCD Driver	Dot Matrix LCD 80-Out Segment Driver	LCD Displays	Extension (Character type), 80OUT, 24Ch.4L (with NJU6426), Vdd=5V, Vlcd=Vdd-10V, Interface System Clock=3.3MHz
	NJU6450A	LCD Driver	16-Com x 61-Seg Output Bit Map LCD Driver	LCD Displays	Bit Map type, 16Com, 61Seg, Vdd=5V, Vlcd=13.5V, DDRAM=2,560 bit, Duty=1/16, 1/32
	NJU6451A	LCD Driver	80-Output Bit Map LCD Extension	LCD Displays	Extension (Bit Map type), 80Seg, Vdd=5V, Vlcd=13.5V, DDRAM=2,560 bit, Duty=1/16, 1/32
	NJU6452A	LCD Driver	16-Com x 61-Seg Output Bit Map LCD Driver	LCD Displays	Bit Map type, 16Com, 61Seg, Vdd=5V, Vlcd=13.5V, DDRAM=2,560 bit, Duty=1/16, 1/32
	NJU6453A	LCD Driver	80-Output Bit Map LCD Extension Driver for NJU6452A	LCD Displays	Extension (Bit Map type), 80Seg, Vdd=5V, Vlcd=13.5V, DDRAM=2,560 bit, Duty=1/16, 1/32
	NJU6455	LCD Driver	33-Comm x 128-Seg Output Bit Map LCD Driver	LCD Displays	Bit Map type, 33Com, 128Seg, Vdd=3V, 5V, Voltage Booster=x2-x3, Vlcd=10V, DDRAM=10,400 bit, Duty=1/32, 1/33, EVR=16 Step
	NJU6457	LCD Driver	80-Out Positive Voltage Bit Map LCD Segment Driver	LCD Displays	Extension (Bit Map type), 80Seg, Vdd=5V, Vlcd=13.5V, DDRAM=2,560 bit, Duty=1/16, 1/32
	NJU6458	LCD Driver	80-Out Positive Voltage Bit Map LCD Segment Driver	LCD Displays	Extension (Bit Map type), 80Seg, Vdd=5V, Vlcd=13.5V, DDRAM=2,560 bit, Duty=1/16, 1/32
	NJU6460A	LCD Driver	16-Character 1-Line Dot Matrix LCD Controller Driver	LCD Displays	Character type, 16ch.1L, Vdd=5V, Vlcd=Vdd-5V, CGROM=7,680 bit, Bleeder Resistor=On-chip, Font Size=5x7 dot, Duty=1/16, Interface System Clock=2MHz, Hardware Reset=Yes
	NJU6461	LCD Driver	12-Character 2-Line Dot Matrix LCD Controller Driver	LCD Displays	Character type, 12Ch.2L, Vdd=3V, Voltage Booster=x3, Vlcd=Vdd-13.5V, CGROM=9,600 bit, Bleeder Resistor=On-chip, Icon=60, Font Size=5x7 dot, Duty=1/18, 2/18, Interface System Clock=1MHz, Hardware Reset=Yes
	NJU6463	LCD Driver	16-Character 3-Line Dot Matrix LCD Controller Driver	LCD Displays	Character type, 16Ch.3L, Vdd=3V, Vlcd=Vdd-10.8V, CGROM=10,080 bit, Bleeder Resistor=On-chip, Icon=152, Font Size=5x7 dot, Duty=1/28, Interface System Clock=1MHz, Hardware Reset=Yes

					Character type, 16Ch.3L, Vdd=3V, Vlcd=Vdd-10V, CGROM=10,080 bit, Bleeder Resistor=On-chip, Icon=152, Font Size=5x7 dot, Duty=1/28, Interface System Clock=1MHz, Hardware Reset=Yes	
	NJU6464	LCD Driver	16-Character 3-Line Dot Matrix LCD Controller Driver	LCD Displays		
					Character type, 12/24Ch.2L/4L, Vdd=3V, Voltage Booster=x3, Vlcd=Vdd-10.8V, CGROM=10,080 bit, Font Size=5x7 dot, Duty=1/16, 1/32, Interface System Clock=2MHz	
	NJU6465	LCD Driver	12-Character 4-Line Dot Matrix Controller Driver	LCD Displays		
					Character type, 12/24Ch.1L/2L/4L, Vdd=3V, 5V, Voltage Booster=x2, Vlcd=Vdd-13.5V, CGROM=9,600 bit, Font Size=5x7 dot, Duty=1/16, 1/32, Interface System Clock=2MHz	
	NJU6466	LCD Driver	24-Character 2-Line Dot Matrix LCD Controller Driver	LCD Displays		
					Character type, 10/12Ch.1L, Vdd=3V, Vlcd=Vdd-13.5V, CGROM=7,680 bit, Bleeder Resistor=On-chip, Icon=24, Font Size=5x7 dot, Duty=1/18, Interface System Clock=1MHz, Hardware Reset=Yes	
	NJU6467	LCD Driver	12-Character 1-Line Dot Matrix LCD Controller Driver	LCD Displays		
					Character type, 8/16/40/80Ch.1L/2L, Vdd=5V, Vlcd=Vdd-13.5V, CGROM=12,000 bit, Font Size=5x7/5x11 dot, Duty=1/8, 1/16, Interface System Clock=2MHz	
	NJU6468	LCD Driver	8-Character 2-Line Dot Matrix LCD Controller Driver with Extension Function	LCD Displays		
					Character type, 10/12/24Ch.1L/2L, Vdd=3V, Voltage Booster=x3, Vlcd=Vdd-13.5V, CGROM=9,600 bit, Bleeder Resistor=On-chip, Icon=60, Font Size=5x7 dot, Duty=1/18, 2/18, Interface System Clock=1MHz, Hardware Reset=Yes	
	NJU6469	LCD Driver	12-Character 2-Line Dot Matrix LCD Controller Driver	LCD Displays		
					Character type, 16ch.1L, Vdd=3V, Vlcd=Vdd-5V, CGROM=7,680 bit, Bleeder Resistor=On-chip, Icon=80, Font Size=5x7 dot, Duty=1/18, Interface System Clock=1MHz, Hardware Reset=Yes	
	NJU6470	LCD Driver	16-Character 1-Line Dot Matrix LCD Controller Driver	LCD Displays		
					Character type, 12ch.4L, Vdd=3V, Voltage Booster=x3, Vlcd=Vdd-10.8V, CGROM=10,080 bit, Bleeder Resistor=On-chip, Icon=128, Font Size=5x7 dot, Duty=1/36, Interface System Clock=1MHz, Hardware Reset=Yes	
	NJU6475B	LCD Driver		LCD Displays		
					Character type, 14Ch.2L, Vdd=3V, Vlcd=Vdd-13.5V, CGROM=7,680 bit, Icon=84, Font Size=5x7 dot, Duty=1/9, 1/18, Interface System Clock=1MHz, Hardware Reset=Yes	
	NJU6520	LCD Driver	14-Character 2-Line Dot Matrix LCD Controller Driverwith Smooth Scroll Function	LCD Displays		
NJU65xx						

	New!	NJU6535	LCD Driver	1/3, 1/4 Duty LCD Driver	LCD Displays	42-Segment Driver, 1/3 Duty (126-Segment) or 1/4 Duty (164-Segment), 30-key Scan Function (6x5 Matrix), Programmable Bias Ratio 1/2 & 1/3 bias, Output Port for LED, Serial Interface, Vcc= 4.5V-5.5V (Logic) & -5.5V (LCD Driving), Electrical Variable Resistance (8 steps), CMOS Technology	QFP64-G1, QFP64-H1
		NJU6561	LCD Driver	49-Com x 80-Seg Output Bit Map LCD Driver	LCD Displays	Bit Map type, 49Com, 80Seg, Vdd=3V, 5V, Voltage Booster=x2-x3, Vlcd=10V, DDRAM=3,920 bit, Duty=1/48, 1/49, EVR=16 Step	
		NJU6570	LCD Driver	16-Com x 61-Seg Output Bit Map LCD Driver	LCD Displays	Bit Map type, 16Com, 61Seg, Vdd=3V, 5V, Vlcd=10V, DDRAM=2,560 bit, Duty=1/16, 1/32	
		NJU6572	LCD Driver	16-Com x 61-Seg Output Bit Map LCD Driver	LCD Displays	Bit Map type, 16Com, 61Seg, Vdd=3V, 5V, Vlcd=10V, DDRAM=2,560 bit, Duty=1/16, 1/32	
		NJU6575A	LCD Driver	33-Com x 134-Seg Output Bit Map LC Driver	LCD Displays	Bit Map type, 33Com, 134Seg, Vdd=3V, 5V, Voltage Booster=x2-x3, Vlcd=13.5V, DDRAM=4,422 bit, Duty=1/32, 1/33, EVR=16 Step	
		NJU6576	LCD Driver	34-Com x 101-Seg Output I2C-Bus Bit Map LCD Driver	LCD Displays	Bit Map type, 34Com, 101Seg, Vdd=3V, Vlcd=13.5V, DDRAM=3,434 bit, Duty=1/17, 1/34	
		NJU6577S	LCD Driver	53-Com x 80-Seg Output Bit Map LC Driver	LCD Displays	Bit Map type, 53Com, 80Seg, Vdd=3V, Voltage Booster=x2-x4, Vlcd=10V, DDRAM=4,240 bit, Duty=1/52, 1/53, EVR=32 Step	
		NJU6578	LCD Driver	33-Com x 102-Seg Output Bit Map LCD Driver	LCD Displays	Bit Map type, 33Com, 102Seg, Vdd=3V, 5V, Voltage Booster=x2-x3, Vlcd=10V, DDRAM=3,366 bit, Duty=1/32, 1/33, EVR=16 Step	
		NJU6580	LCD Driver	17-Com x 96-Seg Output Bit Map LCD Driver	LCD Displays	Bit Map type, 17Com, 96Seg, Vdd=3V, 5V, Voltage Booster=x2-x3, Vlcd=10V, DDRAM=1,904 bit, Duty=1/16, 1/32, EVR=32 Step, Scroll= Horizontal	
		NJU6583	LCD Driver	33-Com x 96-Seg Output Bit Map LCD Driver	LCD Displays	Bit Map type, 33Com, 96Seg, Vdd=3V, 5V, Voltage Booster=x2-x3, Vlcd=10V, DDRAM=3,696 bit, Duty=1/32, 1/33, EVR=32 Step, Scroll= Horizontal	

NJU66xx		NJU6620	LCD Driver	12-Character 4-Line Dot Matrix LCD Controller	LCD Displays	Character type, 12ch.4L, Vdd=3V, Voltage Booster=x3, Vlcd=Vdd-10V, CGROM=10,080 bit, Bleeder Resistor=On-chip, Icon=128, Font Size=5x7 dot, Duty=1/36, Interface System Clock=1MHz, Hardware Reset=Yes	
	New!	NJU6623	LCD Driver	15-Character 1-Line Dot Matrix LCD Controller with Output Port	LCD Displays	Character type, 15Ch.1L, Vdd=3V, Voltage Booster=x3, Vlcd=10V (Max), CGROM=7,840 bit, Icon=75, Font Size=5x7 dot, Duty=1/8, Interface System Clock=1MHz, Hardware Reset=Yes	
		NJU6624A	LCD Driver	12-Character 1-Line Dot Matrix LCD Controller Driver with Smooth Scroll Function	LCD Displays	Character type, 12Ch.1L, Vdd=5V, Vlcd=10V (Max), CGROM=7,840 bit, Icon=60, Font Size=5x7 dot, Duty=1/8, Interface System Clock=1MHz, Hardware Reset=Yes	
		NJU6624B	LCD Driver	12-Character 1-Line Dot Matrix LCD Controller Driver with Smooth Scroll Function	LCD Displays	Character type, 12Ch.1L, Vdd=5V, Vlcd=10V (Max), CGROM=7,840 bit, Icon=60, Font Size=5x7 dot, Duty=1/8, Interface System Clock=1MHz, Hardware Reset=Yes	
		NJU6624C	LCD Driver	14-Character 1-Line Dot Matrix LCD Controller Driver	LCD Displays	Character type, 14Ch.1L, Vdd=5V, Vlcd=10V (Max), CGROM=7,840 bit, Icon=70, Font Size=5x7 dot, Duty=1/8, Interface System Clock=1MHz, Hardware Reset=Yes	
		NJU6631A	LCD Driver	16-Character 1-Line Dot Matrix LCD Controller Driver	LCD Displays	Character type, 16ch.1L, Vdd=5V, Vlcd=Vdd-5V, CGROM=9,600 bit, Bleeder Resistor=On-chip, Font Size=5x7 dot, Duty=1/16, Interface System Clock=2MHz, Hardware Reset=Yes	
		NJU6635	LCD Driver	16-Character 2-Line Dot Matrix LCD Controller Driver with Double Height-Sized Display	LCD Displays	Character type, 16Ch.2L, Vdd=5V, Vlcd=Vdd-5V, CGROM=9,600 bit, Bleeder Resistor=On-chip, Font Size=5x7 dot, Duty=1/36, Interface System Clock=2MHz, Hardware Reset=Yes	
		NJU6637	LCD Driver	16-Character 3-Line Dot Matrix LCD Controller Driver	LCD Displays	Refer to datasheet	
	New!	NJU6674	LCD Driver	32-Com x 132-Seg + 1-Icon Com Bit Map LCD Driver	LCD Displays	Refer to datasheet	Bumped Chip, TCP, COF

		NJU6673	LCD Driver	25-Com x 100-Seg Bit Map LCD Driver	LCD Displays	Data RAM=2500bits, 25-Com x 100-Seg, Vcc=2.4V to 5.5V, LCD Driving Voltage=4V to 10V, Refer to datasheet	COF, TCP, Bumped Chip	
		NJU6675	LCD Driver	58-Com x 96-Seg Output Bit Map LCD Driver	LCD Displays	Bit Map type, 58Com, 96Seg, Vdd=3V, Voltage Booster=x2-x3, Vlcd=10V, DDRAM=5,568 bit, Duty=1/58, EVR=16 Step		
		NJU6676	LCD Driver	64-Com x 132-Seg plus 1-Icon Bit Map Type LCD Controller and Driver	LCD Displays	Bit Map type, 65Com, Vdd=3V, 5V, Voltage Booster=x2-x4, Vlcd=17V, DDRAM=8,580 bit, Duty=1/65, EVR=64 Step, Vertical		
		NJU6677	LCD Driver	88-Com x 132-Seg Output Bit Map LCD Driver	LCD Displays	Bit Map type, 72Com, Vdd=3V, Voltage Booster=x2-x5, Vlcd=17V, DDRAM=17,952 bit, Duty=Auto, EVR=201 Step, Vertical		
		NJU6678	LCD Driver	104-Com x 132-Seg Output Bit Map LCD Driver	LCD Displays	Bit Map type, 104Com, 132Seg, Vdd=3V, Voltage Booster=x2-x6, Vlcd=17V, DDRAM=25,344 bit, Duty=Auto, EVR=201 Step, Vertical, Partial=2-Block		
		NJU6679	LCD Driver	128-Com x 132-Seg Output Bit Map LCD Driver	LCD Displays	Refer to datasheet		
		NJU6680	LCD Driver	128-Com x 128-Seg 4-Level Gray Scale Bit Map LCD Driver	LCD Displays	Data RAM=32,768bits, 128-Com x 128-Seg, Vcc=1.8V to 3V, LCD Driving Voltage=6V to 18V, CMOS Technology	COF, Bumped Chip	
		NJU6682	LCD Driver	160-Com x 132-Seg Output Bit Map LCD Driver	LCD Displays	Bit Map type, 160Com, Vdd=3V, Voltage Booster=x2-x7, Vlcd=17V, DDRAM=84,480 bit, Duty=Auto, EVR=TBD, Vertical, Partial=2-Block, Gray Scale=4-Grade		
	NJU68xx	New!	NJU6815	LCD Driver	80 x RGB Seg, 128-Com 4092-Color STN LCD Driver	LCD Display	Refer to datasheet	Bumped Chip, TCP
		New!	NJU6818	LCD Driver	80-Com x 104 RGB-Seg in 4096-Color STN LCD Driver	LCD Display	Refer to datasheet	
		New!	NJU6820	LCD Driver	128-RBG Segment, 40-Com 4096-Color STN LCD Driver	LCD Display	Refer to datasheet	Bumped Chip, TCP
			NJU6821	LCD Driver	128 x RGB Seg, 82-Com 256-Color STN LCD Driver	LCD Display	256-Color STN LCD Driver, 128 x 3 (RGB)-Seg, Data RAM=81,920bits, Vcc=1.7V to 3.3V, LCD Driving Voltage=5V to 18V, CMOS Technology	COF, TCP, Bumped Chip

	New!	NJU6823	LCD Driver	(128+2) x RGB-Segment, 128-Common 4096-Color STN LCD Driver	LCD Display	Refer to datasheet	
	New!	NJU6824	LCD Driver	(128+2) x RGB-Segment, 128-Common 4096-Color STN LCD Driver	LCD Display	Refer to datasheet	Bumped Chip, TCP
		NJU6825	LCD Driver	128 x RGB Seg, 162-Com 4096-Color STN LCD Driver	LCD Display	4096-Color STN LCD Driver, 128 x 3 (RGB)-Seg & 162-Com, Data RAM=248,832bits, Vcc=1.7V to 3.3V, LCD Driving Voltage=5V to 18V, CMOS Technology	TCP, Bumped Chip
NJU70xx		NJU7001	Op Amp	Low Voltage CMOS Operational Amplifier	Various	CMOS, Low Voltage, Single, Single Supply, Voffset=10mV, Ioffset=0.001nA (typ), Ibias=0.001nA (typ), Ioper=0.015-1mA, ft/GBW=0.1-1.5/ft MHz, Slew Rate=0.05-3.5V/us	
		NJU7002	Op Amp	Low Voltage CMOS Operational Amplifier	Various	CMOS, Low Voltage, Dual, Single Supply, Voffset=10mV, Ioffset=0.001nA (typ), Ibias=0.001nA (typ), Ioper=0.03mA, ft/GBW=0.1/ft MHz, Slew Rate=0.05V/us	
		NJU7004	Op Amp	Low Voltage CMOS Operational Amplifier	Various	CMOS, Low Voltage, Quad, Single Supply, Voffset=10mV, Ioffset=0.001nA (typ), Ibias=0.001nA (typ), Ioper=0.06mA, ft/GBW=0.1/ft MHz, Slew Rate=0.05V/us	
		NJU7006	Op Amp	Super Low Operating Current and Low Offset Voltage Tiny Single CMOS Operational Amplifier	Various	CMOS, Low Voltage, Single, Single Supply, Voffset=10mV, Ioffset=0.001nA (typ), Ibias=0.001nA (typ), Ioper=0.003mA, ft/GBW=0.095/ft MHz, Slew Rate=0.04V/us	
		NJU7007	Op Amp	Low Power and Low Offset Voltage Super Small-Sized Single CMOS Operational Amplifier	Various	Low Voltage, CMOS, Single, Single Supply, Power Supply=1.8-5.5V, Voffset=4mV, Ioffset=0.001nV (typ), Ibias=0.001nV (typ), Ioper=0.003mV, ft/GBW=0.2/ft MHz, Slew Rate=0.1V/us	
		NJU7008	Op Amp	Low Offset Voltage Super Small-Sized Single CMOS Operational Amplifier	Various	Low Voltage, CMOS, Single, Single Supply, Power Supply=1.8-5.5V, Voffset=4mV, Ioffset=0.001nV (typ), Ibias=0.001nV (typ), Ioper=0.2mV, ft/GBW=1/ft MHz, Slew Rate=2.4V/us	
		NJU7011	Op Amp	Low Power Tiny Single CMOS Single Operational Amplifier	Various	CMOS, Low Voltage, Single, Single Supply, Voffset=10mV, Ioffset=0.001nA (typ), Ibias=0.001nA (typ), Ioper=0.08mA, ft/GBW=1/ft MHz, Slew Rate=1V/us	
		NJU7012	Op Amp	Low Power Tiny Single CMOS Single Operational Amplifier	Various	CMOS, Low Voltage, Single, Single Supply, Voffset=10mV, Ioffset=0.001nA (typ), Ibias=0.001nA (typ), Ioper=0.2mA, ft/GBW=1/ft MHz, Slew Rate=2.4V/us	

	NJU7013	Op Amp	Low Power Tiny Single CMOS Single Operational Amplifier	Various	Refer to datasheet
	NJU7014	Op Amp	Low Power Dual CMOS Dual Operational Amplifier	Various	CMOS, Low Voltage, Dual, Single Supply, Voffset=10mV, Ioffset=0.001nA (typ), I _{bias} =0.001nA (typ), I _{oper} =0.03mA, ft/GBW=0.2/ft MHz, Slew Rate=0.1V/us
	NJU7015	Op Amp	Low Power Dual CMOS Dual Operational Amplifier	Various	CMOS, Low Voltage, Dual, Single Supply, Voffset=10mV, Ioffset=0.001nA (typ), I _{bias} =0.001nA (typ), I _{oper} =0.16mA, ft/GBW=1/ft MHz, Slew Rate=1V/us
	NJU7016	Op Amp	Low Power Dual CMOS Dual Operational Amplifier	Various	CMOS, Low Voltage, Dual, Single Supply, Voffset=10mV, Ioffset=0.001nA (typ), I _{bias} =0.001nA (typ), I _{oper} =0.4mA, ft/GBW=1/ft MHz, Slew Rate=2.4V/us
	NJU7017	Op Amp	Low-Voltage Operation Tiny Single CMOS Operational Amplifier	Various	CMOS, Low Voltage, Single, Single Supply, Voffset=10mV, Ioffset=0.001nA (typ), I _{bias} =0.001nA (typ), I _{oper} =0.75mA, ft/GBW=1/ft MHz, Slew Rate=3.7V/us
	NJU7018	Op Amp	Low Voltage Operation Dual CMOS Operational Amplifier	Various	CMOS, Low Voltage, Dual, Single Supply, Voffset=10mV, Ioffset=0.001nA (typ), I _{bias} =0.001nA (typ), I _{oper} =1.5mA, ft/GBW=1/ft MHz, Slew Rate=3.7V/us
	NJU7019	Op Amp	Low Voltage Operation Dual CMOS Operational Amplifier	Various	CMOS, Low Voltage, Single, Single Supply, Voffset=10mV, Ioffset=0.001nA (typ), I _{bias} =0.001nA (typ), I _{oper} =0.02mA, ft/GBW=0.4/ft MHz, Slew Rate=0.25V/us
	NJU7021	Op Amp	Low Voltage CMOS Operational Amplifier	Various	CMOS, Low Voltage, Single, Single Supply, Voffset=10mV, Ioffset=0.001nA (typ), I _{bias} =0.001nA (typ), I _{oper} =0.15mA, ft/GBW=0.4/ft MHz, Slew Rate=0.40V/us
	NJU7022	Op Amp	Low Voltage CMOS Operational Amplifier	Various	CMOS, Low Voltage, Dual, Single Supply, Voffset=10mV, Ioffset=0.001nA (typ), I _{bias} =0.001nA (typ), I _{oper} =0.3mA, ft/GBW=0.4/ft MHz, Slew Rate=0.4V/us
	NJU7024	Op Amp	Low Voltage CMOS Operational Amplifier	Various	CMOS, Low Voltage, Quad, Single Supply, Voffset=10mV, Ioffset=0.001nA (typ), I _{bias} =0.001nA (typ), I _{oper} =0.6mA, ft/GBW=0.4/ft MHz, Slew Rate=0.4V/us
	NJU7031	Op Amp	Low Voltage CMOS Operational Amplifier	Various	CMOS, Low Voltage, Single, Single Supply, Voffset=2mV, Ioffset=0.001nA (typ), I _{bias} =0.001nA (typ), I _{oper} =0.015mA, ft/GBW=0.1/ft MHz, Slew Rate=0.05V/us

					CMOS, Low Voltage, Dual, Single Supply, Voffset=10mV, Ioffset=0.001nA (typ), Ibias=0.001nA (typ), Ioper=2mA, ft/GBW=1.5/ft MHz, Slew Rate=3.5V/us	
	NJU7032	Op Amp	Low Voltage CMOS Operational Amplifier	Various		
					CMOS, Low Voltage, Quad, Single Supply, Voffset=10mV, Ioffset=0.001nA (typ), Ibias=0.001nA (typ), Ioper=4mA, ft/GBW=1.5/ft MHz, Slew Rate=3.5V/us	
	NJU7034	Op Amp	Low Voltage CMOS Operational Amplifier	Various		
					CMOS, Vdd=2.7V to 5.5V, PD=200mW, Idd=15uA, Slew Rate=0.03V/us	MTP-5
	NJU7042	Op Amp	Input/Output Full-Swing Tiny Single CMOS Operational Amplifier	Various		
New!					VDD=1.8V to 5.0V, Input/Output Full Swing, Wide Input Common Mode Voltage Range (Vss to Vdd), Input Offset Voltage= 7mV (max), High Output Current, IDD=700uA (typ), Input Impedence=1 TOhm (typ), Input Bias Current=1 pA (typ), Ground Sensing	DIP8, DMP8, SSOP8, TVSP8
	NJU7043	Op Amp	Input/Output Full-Swing High Output Current Dual CMOS Operational Amplifier	Various		
					CMOS, Low Voltage, Single, Single Supply, Voffset=2mV, Ioffset=0.001nA (typ), Ibias=0.001nA (typ), Ioper=0.15mA, ft/GBW=0.4/ft MHz, Slew Rate=0.4V/us	
	NJU7051	Op Amp	Low Input Offset Voltage CMOS Operational Amplifier	Various		
					CMOS, Low Voltage, Dual, Single Supply, Voffset=2mV, Ioffset=0.001nA (typ), Ibias=0.001nA (typ), Ioper=0.03mA, ft/GBW=0.1/ft MHz, Slew Rate=0.05V/us	
	NJU7052	Op Amp	Low Input Offset Voltage CMOS Operational Amplifier	Various		
					CMOS, Low Voltage, Quad, Single Supply, Voffset=2mV, Ioffset=0.001nA (typ), Ibias=0.001nA (typ), Ioper=0.06mA, ft/GBW=0.1/ft MHz, Slew Rate=0.05V/us	
	NJU7054	Op Amp	Low Input Offset Voltage CMOS Operational Amplifier	Various		
					CMOS, Low Voltage, Single, Single Supply, Voffset=2mV, Ioffset=0.001nA (typ), Ibias=0.001nA (typ), Ioper=1mA, ft/GBW=1/ft MHz, Slew Rate=1.1V/us	
	NJU7061	Op Amp	Low Input Offset Voltage CMOS Operational Amplifier	Various		
					CMOS, Low Voltage, Dual, Single Supply, Voffset=2mV, Ioffset=0.001nA (typ), Ibias=0.001nA (typ), Ioper=0.3mA, ft/GBW=0.4/ft MHz, Slew Rate=0.4V/us	
	NJU7062	Op Amp	Low Input Offset Voltage CMOS Operational Amplifier	Various		

	NJU7064	Op Amp	Low Input Offset Voltage CMOS Operational Amplifier	Various	CMOS, Low Voltage, Dual, Single Supply, Voffset=2mV, Ioffset=0.001nA (typ), Ibias=0.001nA (typ), Ioper=0.6mA, ft/GBW=0.4ft MHz, Slew Rate=0.4V/us
	NJU7071	Op Amp	Low Input Offset Voltage CMOS Operational Amplifier	Various	CMOS, Low Voltage, Single, Single Supply, Voffset=10mV, Ioffset=0.001nA (typ), Ibias=0.001nA (typ), Ioper=0.015mA, ft/GBW=0.2ft MHz, Slew Rate=0.1V/us
	NJU7072	Op Amp	Low Input Offset Voltage CMOS Operational Amplifier	Various	CMOS, Low Voltage, Dual, Single Supply, Voffset=2mV, Ioffset=0.001nA (typ), Ibias=0.001nA (typ), Ioper=2mA, ft/GBW=1ft MHz, Slew Rate=1.1V/us
	NJU7074	Op Amp	Low Input Offset Voltage CMOS Operational Amplifier	Various	CMOS, Low Voltage, Dual, Single Supply, Voffset=2mV, Ioffset=0.001nA (typ), Ibias=0.001nA (typ), Ioper=4mA, ft/GBW=1ft MHz, Slew Rate=1.1V/us
	NJU7081	Power Amp	Single Low Voltage CMOS Power Amplifier	Various	Refer to datasheet
	NJU7082B	Power Amp	Dual Low Voltage CMOS CMOS Power Amplifier	Various	Refer to datasheet
	NJU7087	Audio Processor	Sound Enhancement Processor for Telephone	Various	Refer to datasheet
	NJU7091A	Op Amp	Low Power and Low Offset Voltage Tiny CMOS Single Operational Amplifier	Various	CMOS, Low Voltage, Single, Single Supply, Voffset=2mV, Ioffset=0.001nA (typ), Ibias=0.001nA (typ), Ioper=0.015mA, ft/GBW=0.2ft MHz, Slew Rate=0.1V/us
	NJU7092A	Op Amp	Low Power and Low Offset Voltage Tiny CMOS Single Operational Amplifier	Various	CMOS, Low Voltage, Single, Single Supply, Voffset=2mV, Ioffset=0.001nA (typ), Ibias=0.001nA (typ), Ioper=0.08mA, ft/GBW=1ft MHz, Slew Rate=1V/us
	NJU7093A	Op Amp	Low Power and Low Offset Voltage Tiny CMOS Single Operational Amplifier	Various	CMOS, Low Voltage, Single, Single Supply, Voffset=2mV, Ioffset=0.001nA (typ), Ibias=0.001nA (typ), Ioper=0.2mA, ft/GBW=1ft MHz, Slew Rate=3.7V/us
	NJU7094	Op Amp	Low Power and Low Offset Voltage CMOS Dual Operational Amplifier	Various	CMOS, Low Voltage, Dual, Single Supply, Voffset=4mV, Ioffset=0.001nA (typ), Ibias=0.001nA (typ), Ioper=0.03mA, ft/GBW=0.2ft MHz, Slew Rate=0.1V/us

NJU71xx		NJU7095	Op Amp	Low Power and Low Offset Voltage CMOS Dual Operational Amplifier	Various	CMOS, Low Voltage, Dual, Single Supply, Voffset=4mV, Ioffset=0.001nA (typ), Ibias=0.001nA (typ), Ioper=0.16mA, ft/GBW=1/ft MHz, Slew Rate=1V/us
		NJU7096	Op Amp	Low Power and Low Offset Voltage CMOS Dual Operational Amplifier	Various	CMOS, Low Voltage, Dual, Single Supply, Voffset=4mV, Ioffset=0.001nA (typ), Ibias=0.001nA (typ), Ioper=0.4mA, ft/GBW=1/ft MHz, Slew Rate=2.4V/us
		NJU7102A	Comparator	CMOS Comparator with CMOS Output	Various	Refer to datasheet
		NJU7104A	Comparator	CMOS Comparator with CMOS Output	Various	Refer to datasheet
		NJU7108	Comparator	Low Power and Low Offset Voltage Super Small-Sized Single CMOS Comparator	Various	Refer to datasheet
	<i>New!</i>	NJU7109	Comparator	Low Power and Low Offset Voltage Super Small-Sized Single CMOS Comparator	Various	Refer to datasheet
		NJU7112A	Comparator	CMOS Comparator with Open Drain Output	Various	Refer to datasheet
		NJU7114A	Comparator	CMOS Comparator with Open Drain Output	Various	Refer to datasheet
		NJU7116	Comparator	Super Low Operating Current and Low Offset Voltage Tiny Single CMOS Comparator	Various	Refer to datasheet
		NJU7118	Comparator	Low Power and Low Offset Voltage Super Small-Sized Single CMOS Comparator	Various	Refer to datasheet
		NJU7119	Comparator	Low Power and Low Offset Voltage Super Small-Sized Single CMOS Comparator	Various	Refer to datasheet
		NJU7141	Comparator	Low Voltage Operation Tiny Single CMOS Comparator	Various	Refer to datasheet
		NJU7142	Comparator	Low Voltage Operation Tiny Single CMOS Comparator	Various	Refer to datasheet
	NJU72xx		NJU7200 Series	Voltage Regulator	Super Low Operating Current CMOS 3-Terminal Positive Voltage Regulator	Various

	NJU7201 Series	Voltage Regulator	CMOS 3-Terminal Positive Voltage Regulator	Various	Series Regulator, Positive Voltage Regulator (3-Terminal), $V_o=1.2V-5.5V$, $I_{max}=40mA$, $V_{io}\leq 0.6V$	
	NJU7202 Series	Voltage Regulator	High Output Current CMOS Positive Voltage Regulator	Various	Series Regulator, Positive Voltage Regulator (3-Terminal), $V_o=3.0V-5.0V$, $I_{max}=100mA$, $V_{io}\leq 0.6V$	
	NJU7204	Voltage Regulator	CMOS 2-Output Positive Voltage Regulator	Various	Refer to datasheet	
	NJU7211 Series	Voltage Regulator	CMOS 3-Terminal Negative Voltage Regulator	Various	Series Regulator, Negative Voltage Regulator (3-Terminal), $V_o=-5V$ to $-2V$, $I_{max}=40mA$, $V_{io}\leq 0.6V$	
	NJU7221 Series	Voltage Regulator	High Precision CMOS 3-Terminal Voltage Regulator	Various	Series Regulator, Positive Voltage Regulator (3-Terminal), $V_o=1.2V-5.5V$, $I_{max}=400mA$, $V_{io}\leq 0.6V$, $V_{out}\pm 2\%$	
	NJU7222 Series	Voltage Regulator	High Precision and High Output Current CMOS 3-Terminal Voltage Regulator	Various	Series Regulator, Positive Voltage Regulator (3-Terminal), $V_o=3.0V-5.0V$, $I_{max}=100mA$, $V_{io}\leq 0.6V$, $V_{out}\pm 2\%$	
	NJU7223 Series	LDO Regulator	High Precision LDO 500 mA CMOS Voltage Regulator	Various	$V_{out}=3.0V-5.0V$, High Precision Output Voltage= $\pm 2\%$, Low Current Consumption= $30\mu A$ (typ), Low Dropout Voltage= $0.6V$ (typ) (@ $I_o=500mA$, $V_o=5V$), High Output Current= $I_o=500mA$	TO-220F, TO-252
	NJU7231 Series	Voltage Regulator	High Precision CMOS 3-Terminal Voltage Regulator	Various	$V_{out}=1.2V-5.0V$, High Precision $V_o=\pm 2\%$, Low Current Consumption= $10\mu A$ (typ), Low Dropout Voltage= 0.3 (typ) (@ $I_o=40mA$, $V_o=5V$), $I_o=40mA$	
	NJU7240 Series	LDO Regulator	High Precision and Low Operating current Tiny CMOS Positive Voltage Regulator with Stand-by Function	Battery-operated Applications	$V_{out}=3.0V-3.3V$, Low Current Consumption= $1.2\mu A$ (typ), Standby Current= $0.1\mu A$ (typ), High Precision Output= $\pm 2\%$, Low Dropout Voltage= $0.12V$ (typ) (@ $I_o=10mA$, $V_o=4.5V$), Wide Output Voltage Range= $1.0V$ to $4.5V$)	MTP5
	NJU7241 Series	LDO Regulator	High Precision Tiny CMOS Positive Voltage Regulator with Stand-by Function	RF Power Supplies	$V_{out}=1.8V-6.0V$, Low Current Consumption= $20\mu A$ (typ), Standby Current= $0.1\mu A$ (typ), Low Dropout Voltage= $0.2V$ (typ) (@ $I_o=60mA$, $V_o=5V$), Over-Current Protection Circuit on-chip	MTP5

	NJU7250	LDO Regulator	High Precision LDO 150 mA CMOS Voltage Regulator with Stand-by	Battery-operated Applications	Vout=2.5V-3.3V, Low Current Consumption=35uA (typ), Output Current=150mA, High Precision Output Voltage=Vo±2%, Low Dropout Voltage=0.2V (typ) (@ Io=100mA, Vo=5.0V)	MTP5
	NJU7252	LDO Regulator	High Precision LDO 150 mA CMOS Voltage Regulator with Stand-by	Various	Vout=2.7V-3.0V, High Ripple Rejection=80dB (typ) (@ f=1kHz), High Precision Output Voltage=Vo±2%, Low Current Consumption=35uA (typ), Standby Current=0.1uA (typ), Low Dropout Voltage=0.2V (typ) (@ Io=100mA, Vo=5.0V)	MTP5
	NJU7253	LDO Regulator	High Precision LDO 150 mA CMOS Voltage Regulator with Stand-by	Various	Vout=2.7V-3.0V, High Ripple Rejection=80dB (typ) (@ f=1kHz), High Precision Output Voltage=Vo±2%, Low Current Consumption=35uA (typ), Standby Current=0.1uA (typ), Low Dropout Voltage=0.2V (typ) (@ Io=100mA, Vo=5.0V)	MTP5
	NJU7261 Series	Switching Regulator	CMOS Step-up Switching Regulator	Various	Internal/External Clock Operation	
	NJU7262 Series	Switching Regulator	CMOS Step-up Switching Regulator	Various	Internal/External Clock Operation	
	NJU7285	Switching Regulator/Battery Charger	Battery Back-up Switcher	Battery Back-up Power Supplies	Low Operating Current=4-uA (typ) (@ Vin=6.0V), Back-up Mode: 1.0uA (typ), Low Dropout Voltage=0.2V (typ) (@ Io=30mA/50mA), High Precision Output=±2%, Three Voltage Detectors (Precision ±2%), Wide Operating Voltage Range, Output Voltage/Detect Voltage Customization Available	SSOP8
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NJU73xx	NJU7301	Analog Switch	CMOS Quad SPST Analog Switch	Various	Refer to datasheet	
	NJU7304	Analog Switch	8-Channel Multiplexer with Sample and Hold	Various	Refer to datasheet	
	NJU7305	Graphic Equalizer	7-Band EVR for Graphic Equalizer	Audio Products	Refer to datasheet	
	NJU7306	Graphic Equalizer	11-Band EVR for Graphic Equalizer	Audio Products	Refer to datasheet	
	NJU7307	Graphic Equalizer	11-Band EVR for Graphic Equalizer	Audio Products	Refer to datasheet	
	NJU7311A	Analog Switch	Analog Function Switch	Various	Refer to datasheet	
	NJU7312A	Analog Switch	Analog Function Switch	Various	Refer to datasheet	
	NJU7313A	Analog Switch	Analog Function Switch	Various	Refer to datasheet	

		NJU7325	DC Brushless Motor IC	Single-Phase DC Brushless Motor IC	DC Brushless Motor Applications	Vdd=2.4V to 5.5V, Idd=3mA, Slew Rate=1V/us, MOSFET Output, CMOS Technology	VSP8, TVSP8
		NJU7326	DC Brushless Motor IC	Single-Phase DC Brushless Motor IC	DC Brushless Motor Applications	Vdd=2.4V to 5.5V, PD=400mW, Idd=3mA, MOSFET Output, CMOS Technology	VSP8, TVSP8
	<i>New!</i>	NJU7328	DC Brushless Motor IC	Single-Phase DC Brushless Motor IC	DC Brushless Motor Applications	Vdd=2.4V to 5.5V, Low Operating Current, Single Supply, Low Saturation Output Voltage (Vsat=+0.35V), CMOS Technology	TVSP8
		NJU7370	Analog Switch	8 x 32 Analog Cross Point Switch	DC Brushless Motor Applications	Refer to datasheet	
	<i>New!</i>	NJU7505	Audio Display	Band Pass Filter for Audio Spectrum Analyser Display	Audio Products	Refer to datasheet	
		NJU7507	Audio Display	Band Pass Filter for Audio Spectrum Analyser Display	Audio Products	Refer to datasheet	
		NJU7660	Voltage Converter/Charge Pump	Voltage Converter	Various	Polarity-converted Negative Voltage Output, Two-fold Positive Voltage Output, Input Voltage to Negative Output Voltage=+1.5V to +10V, Input Voltage to Positive Output Voltage=+3.0V to +10V, High-efficiency Voltage Conversion Rate=99%, High-efficiency Power Conversion Rate=98%, 2n times Voltage Output, External Capacitors (2 pcs., Negative Voltage)	DIP8, DMP8, SSOP8
		NJU7662	Voltage Converter/Charge Pump	Voltage Converter	Various	Input Voltage to Negative Output Voltage=+4.5V to +20V, High-efficiency Voltage Conversion Rate=99%, High-efficiency Power Conversion Rate=98%, Cascade Connection Available: 2n-1 times Voltage Output for negative voltage & 2n times Voltage Outputs for positive voltage, External Capacitors (2 pcs., Negative Voltage)	DIP8, DMP8
		NJU7664	Voltage Converter	Voltage Converter	Various	Refer to datasheet	
		NJU7665 Series	Voltage Converter/Charge Pump	Voltage Converter for GaAs FET	Portable Applications	V+=1.5V to 5.5V, Switching Frequency: 7.5kHz, 75kHz, or 150kHz, Low Output Impedance=100 Ohm (max) (@ fsw=75kHz, C=1uF, Vdd=3V), Small External Capacitor=1uF	MTP5

		NJU7670	Voltage Tripler/Charge Pump	Voltage Tripler	Various	Triple/Double Voltage Output, V ₊ =-2.6V to -6.0V, High-efficiency Voltage Conversion=95% (I _o =5mA), High Output Current= 20mA (max) (@ V _{in} =5V), Internal CR Oscillator, Output-OFF Function	DIP14, DMP14, SSOP14
NJU87xx	New!	NJU8711	Headphone Amplifier	3V Switching Driver for Class D Amplifier	Headphone Applications	2-Channel/1-Bit Audio Signal Input, Standby (Hi-Z), BPZ Control, Internal BPZ Charger, V _{dd} =2.7V to 3.6V, CMOS Technology	SSOP10
	New!	NJU8713	Class D Amp	2V Operation Switching Driver for Class D Amplifier	Headphone Applications	Refer to datasheet	
		NJU8721	Headphone Amplifier	Class D Headphone Amplifier for Digital Audio	Headphone Applications	Sampling Freq=96kHz, De-Emphasis=32kHz, 44.1kHz, 48kHz, 16bit/8bit, I2S, LSB Justified, MSB Justified	SSOP20
	New!	NJU8725	Class D Amp	Class D Headphone Amplifier for Digital Audio	Headphone Applications	Sampling Freq=96kHz, De-Emphasis=32kHz, 44.1kHz, 48kHz, 16bit/8bit, I2S, LSB Justified, MSB Justified	SSOP24
	New!	NJU8752	Class D Amp	Analog Signal Input Class D Amplifier for Piezo Speaker	Headphone Applications	Refer to datasheet	
	New!	NJU8755	Class D Amp	Analog Signal Input Class D Amplifier for Piezo Speaker	Headphone Applications	Refer to datasheet	
	NJU92xx		NJU9201B	A/D Converter	3 1/2 Digit Single Chip A/D Converter	Digital Multimeters	Refer to datasheet
		NJU9202B	A/D Converter	3 1/2 Digit Single Chip A/D Converter	Digital Multimeters	Refer to datasheet	
		NJU9203B	A/D Converter	3 1/2 Digit Single Chip A/D Converter with Display Hold	Digital Multimeters	Refer to datasheet	
		NJU9204B	A/D Converter	3 1/2 Digit Single Chip A/D Converter with Display Hold	Digital Multimeters	Refer to datasheet	
		NJU9207	Digital Multimeter	3 1/2 Single Chip Digital Multimeter	Digital Multimeters	Refer to datasheet	
		NJU9207B	Digital Multimeter	3 1/2 Single Chip Digital Multimeter	Digital Multimeters	Refer to datasheet	
		NJU9208	Digital Multimeter	3 1/2 Single Chip Digital Multimeter	Digital Multimeters	Refer to datasheet	
		NJU9210	Digital Multimeter	3 3/4 Single Chip Digital Multimeter	Digital Multimeters	Refer to datasheet	

		NJU9210C	Digital Multimeter	3 3/4 Single Chip Digital Multimeter	Digital Multimeters	Refer to datasheet	
		NJU9212	Digital Multimeter	3 1/2 Single Chip Digital Multimeter	Digital Multimeters	Refer to datasheet	
		NJU9214	Digital Multimeter	3 3/4 Single Chip Digital Multimeter	Digital Multimeters	Refer to datasheet	
		NJU9252	A/D Converter	2 Digit Single Chip A/D Converter	Digital Multimeters	Refer to datasheet	
	NJU9702	NJU9702	Digital Delay	Single Chip Digital Delay IC	Applications requiring Digital Delay	AMD Method A/D & D/A Converter, Low Noise, Low Distortion, Low Current Consumption in Sleep Mode, Input/Output Filter Built-in, A/D, D/A Converters Built-in, 16kB SDRAM, Power ON Initialization, Oscillator Circuit, CMOS Technology	DIP24, SOP24
NJW	NJW11xx	NJW1102	Audio Decoder	Dolby Pro Logic Surround Decoder	Audio Products	Vdd=9~13V, Center and Surround Channel Level Trimmer: -15dB to +15dB/1dB step (ProLogic Mode: -15dB to +3dB/1dB Step), other Surround Mode, 3-wire Serial Data, Internal Mode Control Switch	SDIP56, TQFP64
		NJW1102A	Audio Decoder	Dolby Pro Logic Surround Decoder	Audio Products	Vdd=9~13V, Center and Surround Channel Level Trimmer: -15dB to +15dB/1dB step (ProLogic Mode: -15dB to +3dB/1dB Step), other Surround Mode, 3-wire Serial Data, Internal Mode Control Switch	SDIP56, TQFP64
		NJW1103	Audio Decoder	Dolby Pro Logic Surround Decoder	Audio Products	Digital Delay on-chip, Center and Surround Channel Level Trimmer: -31dB to 0dB/1dB step, other Surround Mode, Karaoke Function, 3-wire Serial Data, Digital ProLogic	QFP80
		NJW1103A	Audio Decoder	Dolby Pro Logic Surround Decoder	Audio Products	Digital Delay on-chip, Center and Surround Channel Level Trimmer: -31dB to 0dB/1dB step, other Surround Mode, Karaoke Function, 3-wire Serial Data, Digital ProLogic	QFP80
		NJW1104	Audio Decoder	Dolby Pro Logic Surround Decoder	Audio Products	Dolby ProLogic, Digital Delay on-chip, other Surround Mode, 3-wire Serial Data	QFP80, QFP100
		NJW1105	Audio Amp	Dual Audio Power Amplifier	Audio Products	Refer to datasheet	
		NJW1106	Audio Decoder	Dolby Pro Logic Decoder	Audio Products	Digital ProLogic, Digital Delay on-chip, other Surround Mode, I2C Bus	QFP80, QFP100
		NJW1107	Audio Decoder	Dolby Pro Logic Surround Decoder with Discrete 5.1 Channel Input	Audio Products	Vdd+5V, Vcc=9V, Digital Delay on-chip, 5.1 Channel Input for Dolby Digital, Master Volume for Center, Surround, and Sub-woofer Channel: -79dB to 0dB/1dB step, Karaoke Function, 3-wire Serial Data	QFP80

	NJW1107A	Audio Decoder	Dolby Pro Logic Surround Decoder with Discrete 5.1 Channel Input	Audio Products	Vdd+5V, Vcc=9V, Digital Delay on-chip, 5.1 Channel Input for Dolby Digital, Master Volume for Center, Surround, and Sub-woofer Channel: -79dB to 0dB/1dB step, Karaoke Function, 3-wire Serial Data	QFP80
	NJW1130A	Audio Processor	Audio Processor with Sound Enhancement	Audio Products	Sound Processor with BBE, Tone Control, Balance, Volume, Mute, AGC Functions, I2C Bus, Vcc=8V-13V, BiCMOS Technology	SOP-40
	NJW1132	Audio Processor	Sound Processor with Sound Enhancement	Audio Products	Refer to datasheet	
	NJW1132A	Audio Processor	Audio Processor with BBE	Audio Products	Refer to datasheet	
	NJW1133A	Audio Processor	Audio Processor	Audio Products	Refer to datasheet	
	NJW1134	Audio Processor	Audio Processor	Audio Products	Sound Processor with BBE & SRS 3D-Stereo, Tone Control, Balance, Volume, Mute, AGC Functions, I2C Bus, Vcc=8V-13V, BiCMOS Technology	SOP-40
	NJW1135	Audio Processor	Audio Processor	Audio Products	Sound Processor with BBE, Tone Control, Balance, Volume, Mute, AGC Functions, I2C Bus, Vcc=8V-13V, BiCMOS Technology	SOP-40
	NJW1136	Audio Processor	Audio Processor with Sub-woofer Output	Audio Products	Sound Processor with Sub-woofer, Tone Control, Balance, Volume, Mute, AGC Functions, I2C Bus, Vcc=8V-13V, BiCMOS Technology	SOP-32, DIP-32
	NJW1137	Audio Processor	Audio Processor with Sound Enhancement	Audio Products	Audio Processor with BBE, Tone Control, Balance, Volume, Mute, AGC Functions, I2C Bus, Vcc=8V-13V, BiCMOS Technology	SDIP-30, SDMP-30
<i>New!</i>	NJW1138	Audio Processor	Audio Processor	TV Applications	Audio Processor for TVs, Tone Control, Balance, Volume, Mute, AGC Functions, I2C Bus, Vcc=8V-13V, BiCMOS Technology	SDIP-30, SDMP-30
<i>New!</i>	NJW1140	Audio Processor	Audio Processor with SRS	TV Applications	Audio Processor for TVs, I2C Bus, Internal 6 Input Audio Selector and Monitor Only, AGC, Dual Surround Sound, Variable Surround Effect, Low Noise VCA, BiCMOS Technology	SOP40

	<i>New!</i>	NJW1141	Audio Processor	Audio Processor	Audio Products	Refer to datasheet	
	<i>New!</i>	NJW1142	Audio Processor	Audio Processor	Audio Products	Refer to datasheet	
	<i>New!</i>	NJW1144	Audio Processor	Audio Processor	TV Applications	Audio Processor for TVs, I2C Bus, Internal 6 Input Audio Selector and Monitor Only, AGC, Dual Surround Sound, Variable Surround Effect, Low Noise VCA, BiCMOS Technology	SOP40
	<i>New!</i>	NJW1145	Audio Processor	Audio Processor	TV Applications	Audio Processor for TVs, I2C Bus, Vcc=8V to 13V, BBE Sound Enhancement, Internal 6 Audio Input Selector and Monitor Output, Variable AGC Compression Level, Variable Surround Effect, Low Noise VCA, BiCMOS Technology	SOP40
		NJW1147	Audio Processor	Audio Processor with BBE VIVA	Audio Products	Refer to datasheet	
	<i>New!</i>	NJW1149	Audio Processor	Audio Processor with Sound Enhancement and TruSurround 5.1ch Virtualizer	Audio Products	Refer to datasheet	
		NJW1150	Volume Control	6-Channel Electronic Volume	Audio-Video Amplifiers, Mini-Stereo Components, Speaker Systems, etc.	6-Channel Electronic Volume, Tone Control, Balance, Trim Level Control, Vcc=4.5V-7.5V (Analog Supply), Vcc=4.5V-5.5V (Digital Supply), I2C Bus, BiCMOS Technology	SDMP-30
		NJW1151	Volume Control	6-Channel Electronic Volume	Audio-Video Amplifiers, Mini-Stereo Components, Speaker Systems, etc.	6-Channel Electronic Volume, Tone Control, Balance, Trim Level Control, Vcc=8V-15V, I2C Bus, BiCMOS Technology	SDMP-30
		NJW1152	Sound Processor	Sound Processor with Sound Enhancement	TV Applications	Sound Processor with BBE for TV, Tone Control, Balance, Volume, Mute, AGC Functions, Vcc=8V-13V, I2C Bus, BiCMOS Technology	SOP-40

NJW13xx						Color Signal Modulator, Count Down Circuit, RGB Demodulator, RGB Interface, Common-Pole Driver, Vcc=5V, Y/C Separator Input, NTSC/PAL, BiCMOS Technology	TQFP-64
	NJW1300B	LCD Signal Processor	Color TFT Signal Processor	Color TFT Applications			
	NJW1301	Signal Processor	Signal Processor for Color TFT for NTSC	Color TFT Applications		Color TFT Signal Processor for NTSC, Y/C Separator, Color Signal Modulator, Count Down Circuit, RGB Demodulator, RGB Interface, Side Back Control Circuit, PWM Control Circuit, Common-Pole Driver, Vcc=5V	LQFP-64
	NJW1303	Sync Separator	Synchronous Separator with Count Down	LCD TV Applications		Synchronous Separator, Horizontal/Vertical Sync, Count Down Circuit, Vcc=2.7V-5.3V, Icc=5mA, HD/VD/C Sync Outputs, Internal BGP, BiCMOS Technology	SSOP-14
	NJW1310	AV Switch	AV Switch	TV Applications		Audio/Video Switch, I2C Bus, 7-Input/2-Output Audio Switches, 5-Input/2-Output Video Switches, 2-Input/2-Output YUV Switches, Y/C MIX Circuit, S-Input Detection, Wide Range Video Amplifier @ 20MHz, -3dB, Auxiliary DC Outputs, BiCMOS Technology	QFP-80
NJW15xx						Vcc=5V, Picture-to-Sound Adjustability, TSG (Test Signal Generator) Circuit on-chip, Regulator on-chip	DMP16
	NJW1502	RF Modulator	RF Modulator with TSG for UHF Band	Video Products			
	NJW1503A	PLL Synthesizer	PLL Synthesizer with 3-wire Bus for TV Tuner	Video Products		Vcc=5V, Low Operating Current=15mA (typ) @ Vcc1,3=5V, Pre-scaler up to 1GHz on-chip, 3-wire Bus, Reference Divider Ratio Automatic Setting (512 or 1024), 34V max. Tuning Voltage Output	SSOP16
	NJW1504	PLL Synthesizer	PLL Synthesizer with I2C Bus for TV Tuner	Video Products		Vcc=5V, Low Operating Current=15mA (typ) @ Vcc1,3=5V, Pre-scaler up to 1GHz on-chip, I2C Bus, Reference Signal Oscillator with peripheral or XTAL on-chip, 34V max. Tuning Voltage Output	SSOP16

NJW23xx	NJW1508	PLL Synthesizer	PLL Synthesizer with I2C Bus for TV Tuner	Video Products	Vcc=5V, Low Operating Current=15mA (typ) @ Vcc1,3=5V, Pre-scaler up to 1GHz on-chip, I2C Bus, Buffer Amplifier for External Reference Signal on-chip, 34V max. Tuning Voltage Output	SSOP16	
	NJW2303	Baseband Interface	Base Band Interface IC	Cellular Phones	Base Band Interface IC with Speaker Amplifier with Limiter & Noise Canceller, Microphone Amplifier, Ringer Driver, Vcc=2.7V-3.3V, Internal Power ON/OFF Switch, BiCMOS Technology	QFP-32	
	NJW4301	Bridge Driver	2 Channel Bridge Driver IC	CD Players, CD-ROM Drives, MO Drives, etc.	2-Channel Bridge Driver, Vcc=4V-12V, Icc=35mA, Mute Function, BiCMOS Technology	DIP-16, SDMP-30	
	New!	NJW4302	DC Motor IC	Three-phase DC Brushless Motor Control IC	Printers, Fax Machines, and other DC Brushless Motor Applications	Speed Discriminator and PLL Speed Control Circuit, Direct PWM Driver, RC Oscillator, Lock Protection Output, Break Circuit, Start/Stop Switch, Current Limit Circuit, Thermal Shutdown/Under Voltage Lock-out Circuit, FG Output Amplifier/Integrating Circuit, Shunt Regulator Output: 5V, BiCMOS Technology	QFP64G1
	NSV	NSVA2xx	NSVA253	Saw Filter	Saw Filter for Low Power Data Transceiver	Data Transceivers	fo=1216.5MHz, Passband Width=1.0MHz
		NSVA254	Saw Filter	Saw Filter for Low Power Data Transceiver	Data Transceivers	fo=1252.5MHz, Passband Width=1.0MHz	W351
		NSVA276	Saw Filter	Saw Filter for Europe CT1+	Europe CT1+ Cordless Phones	fo=886MHz, Passband Width=2.4MHz	W351
		NSVA277	Saw Filter	Saw Filter for Europe CT1+	Europe CT1+ Cordless Phones	fo=931MHz, Passband Width=2.4MHz	W351
		NSVA278	Saw Filter	Saw Filter for USA ISM	USA ISM Cordless Phones	fo=903MHz, Passband Width=2.4MHz	W351

	NSVA279	Saw Filter	Saw Filter for USA ISM	USA ISM Cordless Phones	fo=927MHz, Passband Width=2.4MHz	W351
	NSVA288	Saw Filter	Saw Filter for Pagers	Pagers	fo=930MHz, Passband Width=4MHz	W351
NSVA3xx	NSVA300	Saw Filter	Saw Filter for Europe CT1	Europe CT1 Cordless Phones	fo=914.5MHz, Passband Width=2.4MHz	W351
	NSVA301	Saw Filter	Saw Filter for Europe CT1	Europe CT1 Cordless Phones	fo=959.5MHz, Passband Width=2.4MHz	W351
	NSVA321	Saw Filter	Saw Filter for Russia	Russia Cordless Phones	fo=814.5MHz, Passband Width=1.0MHz	W352
	NSVA323	Saw Filter	Saw Filter for Pagers	425MHz Pagers	fo=425MHz	
	NSVA324	Saw Filter	Saw Filter for Pagers	448MHz Pagers	fo=448MHz	
	NSVA325	Saw Filter	Saw Filter for Pagers	458MHz Pagers	fo=458MHz	
	NSVA326	Saw Filter	Saw Filter for Pagers	468MHz Pagers	fo=468MHz	
	NSVA339	Saw Filter	Saw Filter for Pagers	Pagers	fo=155MHz, Passband Width=9MHz	W521
	NSVA340	Saw Filter	Saw Filters for Pager ERMES	169.6MHz Pager ERMES	fo=169.6MHz	
	NSVA352	Saw Filter	Saw Filter for GPS	GPS	fo=1575.42MHz, Passband Width=2.0MHz	W351
	NSVA362	Saw Filter	Saw Filter for PDC 800MHz TX	PDC 800MHz TX	fo=942.5MHz	
	NSVA370	Saw Filter	Saw Filter for Pagers	Pagers	fo=284MHz, Passband Width=8MHz	W351
	NSVA371	Saw Filter	Saw Filter for CT2	912MHz CT2	fo=912MHz	
	NSVA372	Saw Filter	Saw Filter for Pagers	Pagers	fo=325MHz, Passband Width=8MHz	W351

	NSVA374	Saw Filter	Saw Filter for U.S. Cordless Phones	903.5MHz U.S. Cordless Phones	fo=903.5MHz, Passband Width=1.2MHz	
	NSVA375	Saw Filter	Saw Filter for U.S. Cordless Phones	927.5MHz U.S. Cordless Phones	fo=927.5MHz, Passband Width=1.2MHz	
	NSVA386	Saw Filter	Saw Filter for Pagers	Pagers	fo=280MHz, Passband Width=8MHz	W351
	NSVA392	Saw Filter	Saw Filter for Keyless Entry Systems	Keyless Entry Systems/Security Systems	fo=304.3MHz, Passband Width=1.0MHz	W521
	NSVA393	Saw Filter	Saw Filter for Keyless Entry Systems	Keyless Entry Systems/Security Systems	fo=307.9MHz, Passband Width=1.0MHz	W521
	NSVA394	Saw Filter	Saw Filter for Keyless Entry Systems	Keyless Entry Systems/Security Systems	fo=310MHz, Passband Width=1.0MHz	W521
	NSVA395	Saw Filter	Saw Filter for Remote Unlocking	312.25MHz Remote Unlocking	fo=312.25MHz	
	NSVA396	Saw Filter	Saw Filter for Remote Unlocking	314.35MHz Remote Unlocking	fo=314.35MHz	
	NSVA397	Saw Filter	Saw Filter for Low Power Transceivers	Low Power Transceivers	fo=422.2MHz, Passband Width=1.0MHz	W521
	NSVA398	Saw Filter	Saw Filter for Low Power Transceivers	Low Power Transceivers	fo=426MHz, Passband Width=1.0MHz	W521

		NSVA399	Saw Filter	Saw Filter for Low Power Transceivers	Low Power Transceivers	fo=429.42MHz, Passband Width=1.0MHz	W521
NSVA4xx		NSVA400	Saw Filter	Saw Filter for Remote Unlocking	433.92MHz Remote Unlocking	fo=433.92MHz	
		NSVA401	Saw Filter	Saw Filter for Low Power Transceivers	Low Power Transceivers	fo=440MHz, Passband Width=1.0MHz	W521
		NSVS402	Saw Filter	Saw Filter for Low Power Transceivers	Low Power Transceivers	fo=450.22MHz, Passband Width=1.0MHz	W521
		NSVA403	Saw Filter	Saw Filter for PDC 1.5GHz TX	PDC 1.5GHz TX	fo=1441MHz	
		NSVA416	Saw Filter	Saw Filter for Keyless Entry Systems	Keyless Entry Systems/Security Systems	fo=320MHz, Passband Width=1.0MHz	W521
		NSVA417	Saw Filter	Saw Filter for 314MHz Remote Unlocking	314MHz Remote Unlocking	fo=314MHz	
		NSVA419	Saw Filter	Saw Filter for 915 MHz ISM Band	915 MHz ISM Band	fo=915MHz	
		NSVA427	Saw Filter	Receiver for PDC800	PDC800 Cellular Phones	RX: fo=820MHz/887.5MHz, Passband Width=20MHz/15MHz	F322
		NSVA428	Saw Filter	Saw Filter for 314MHz Remote Unlocking	314MHz Remote Unlocking	fo=314.95MHz	
		NSVA429	Saw Filter	Saw Filter for 820MHz PDC RX	820MHz PDC RX	fo=820MHz	

	NSVA434	Saw Filter	Saw Filter for Cordless Phones	Cordless Phones	fo=817.5MHz, Passband Width=2.4MHz	W351
	NSVA435	Saw Filter	Saw Filter for Cordless Phones	Cordless Phones	fo=862.5MHz, Passband Width=2.4MHz	W351
	NSVA436	Saw Filter	Saw Filter for Cordless Phones	Cordless Phones	fo=920.5MHz, Passband Width=2.4MHz	W351
	NSVA437	Saw Filter	Saw Filter for Cordless Phones	Cordless Phones	fo=823.5MHz, Passband Width=2.4MHz	W351
	NSVA438	Saw Filter	Saw Filter for FRS Low Power Transceiver	FRS Low Power Transceiver	fo=465MHz, Passband Width=6.0MHz	W521
	NSVA447	Saw Filter	Saw Filter for LPD Low Power Transceiver	LPD Low Power Transceiver	fo=434MHz, Passband Width=2.0MHz	W521
	NSVA449	Saw Filter	Saw Filter for Data 315.8MHz	Data 315.8MHz	fo=315.8MHz	
	NSVS450	Saw Filter	Saw Filter for Low Power Transceivers	Low Power Tranceivers	fo=413.9MHz, Passband Width=1.0MHz	W521
	NSVS451	Saw Filter	Saw Filter for Low Power Transceivers	Low Power Tranceivers	fo=454.1MHz, Passband Width=1.0MHz	W521
	NSVA457	Saw Filter	Transceiver for PDC800	PDC800 Cellular Phones	TX: fo=942.5MHz, Passband Width=35MHz	W301
	NSVA460	Saw Filter	Saw Filter for Low Phase Radio Station	421.9MHz Specified Low Phase Radio Station	fo=421.9MHz	
	NSVA463	Saw Filter	Saw Filter for Cordless Phones	Cordless Phones	fo=870.5MHz, Passband Width=2.4MHz	W351
	NSVA464	Saw Filter	Saw Filters for Cordless Phones	Cordless Phones	fo=915.5MHz, Passband Width=2.4MHz	W351
	NSVA467	Saw Filter	Saw Filter for Keyless Entry Systems	Keyless Entry Systems/Security Systems	fo=312.15MHz, Passband Width=1.0MHz	W521

	NSVA468	Saw Filter	Saw Filter for Keyless Entry Systems	Keyless Entry Systems/Security Systems	fo=433.92MHz, Passband Width=1.0MHz	W521
	NSVA471	Saw Filter	Saw Filter for Europe CT1	Europe CT1 Cordless Phones	fo=914.5MHz/959.5MHz, Passband Width=2.4MHz	W352
	NSVA472	Saw Filter	Saw Filter for Russia	Russia Cordless Phones	fo=904.5MHz, Passband=2.0MHz	W351
	NSVA476	Saw Filter	Saw Filter for Keyless Entry Systems	Keyless Entry Systems/Security Systems	fo=304.3MHz	
	NSVA477	Saw Filter	Saw Filter for Keyless Entry Systems	Keyless Entry Systems/Security Systems	fo=314MHz, Passband Width=1.0MHz	W521
	NSVA478	Saw Filter	Saw Filter for Keyless Entry Systems	Keyless Entry Systems/Security Systems	fo=314M.35MHz, Passband Width=1.0MHz	W521
	NSVA479	Saw Filter	Saw Filter for Keyless Entry Systems	Keyless Entry Systems/Security Systems	fo=314.35MHz, Passband Width=1.0MHz	W521
	NSVA484	Saw Filter	Saw Filter for Keyless Entry Systems	Keyless Entry Systems/Security Systems	fo=314.95MHz, Passband Width=1.0MHz	W521
	NSVA486	Saw Filter	Saw Filter for Europe CT1+	Europe CT1+ Cordless Phones	fo=886MHz/931MHz, Passband Width=2.4MHz	W352
	NSVA489	Saw Filter	Saw Filter for PDC 1441MHz TX	PDC 1441MHz TX	fo=1441MHz	
	NSVA491	Saw Filter	Saw Filter for PDC 1489MHz RX	PDC 1489MHz RX	fo=1489MHz	
	NSVA495	Saw Filter	Saw Filter for PDC TX USA	PDC TX USA	fo=1880MHz	
	NSVA496	Saw Filter	Saw Filter for PCS RX USA	PCS RX USA	fo=1960MHz	
	NSVA497	Saw Filter	Saw Filter for AMPS TX	AMPS TX	fo=836.5MHz	
	NSVA498	Saw Filter	Saw Filter for AMPS RX	AMPS RX	fo=881.5MHz	
	NSVA499	Saw Filter	Saw Filter for Keyless Entry Systems	Keyless Entry Systems/Security Systems	fo=315.8MHz, Passband Width=1.0MHz	W521
NSVA5xx	NSVA510	Saw Filter	Saw Filter for PDC TX	PDC TX	fo=893.5MHz (OUT1), 942.5 MHz (OUT2)	
	NSVA512	Saw Filter	Saw Filter for Keyless Entry Systems	Keyless Entry Systems/Security Systems	fo=308.925MHz, Passband Width=1.0MHz	W521
	NSVA513	Saw Filter	Saw Filter for PDC 1489MHz RX (Low Loss Type)	PDC 1489MHz RX (Low Loss Type)	fo=1489MHz	

	NSVA514	Saw Filter	Saw Filter for AMPS TX	AMPS TX	fo=836.5MHz	
	NSVA521	Saw Filter	Saw Filter for PDC 820MHz RX	PDC 820MHz RX	fo=820MHz	
	NSVA525	Saw Filter	Receiver for PDC1.5G	PDC1.5G Cellular Phones	RX: fo=1489MHz, Passband Width=24MHz	F251
	NSVA526	Saw Filter	Saw Filter for U.S. ISM Band	U.S. ISM Band	fo=908MHz	
	NSVA528	Saw Filter	Saw Filter for USA ISM	USA ISM Cordless Phones	fo=903MHz/927MHz, Passband Width=2.4MHz	W352
	NSVA530	Saw Filter	Saw Filter for Europe CT1	Europe CT1 Cordless Phones	fo=914.5MHz/959.5MHz, Passband Width=2.4MHz	
	NSVA531	Saw Filter	Saw Filter for Europe CT1+	Europe CT1+ Cordless Phones	fo=886MHz/931MHz, Passband Width=2.4MHz	
	NSVA532	Saw Filter	Saw Filter for U.S. ISM Band	U.S. ISM Band	fo=904.2MHz	
	NSVA533	Saw Filter	Saw Filter for U.S. ISM Band	U.S. ISM Band	fo=926MHz	
	NSVA540	Saw Filter	Saw Filter for Europe CT1	Europe CT1 Cordless Phones	fo=959.5MHz/914.5MHz, Passband Width=2.4MHz	
	NSVA541	Saw Filter	Saw Filter for Europe CT1+	Europe CT1+ Cordless Phones	fo=931MHz/886MHz, Passband Width=2.4MHz	
	NSVA542	Saw Filter	Receiver for PCS Korea	PCS Cellular Phones for Korea	RX: fo=1855MHz, Passband Width=30MHz	W301
	NSVA543	Saw Filter	Transceiver for PCS Korea	PCS Cellular Phones for Korea	TX: fo=1765MHz, Passband Width=30MHz	W301
	NSVA544	Saw Filter	Saw Filter for PCS RX USA	PCS RX USA	fo=1960MHz	
	NSVA545	Saw Filter	Saw Filter for PCS TX USA	PCS TX USA	fo=1880MHz	
	NSVA549	Saw Filter	Receiver for PDC1.5G	PDC1.5G Cellular Phones	RX: fo=1489MHz, Passband Width=24MHz	W301
	NSVA559	Saw Filter				
NSVS6xx	NSVS606	Saw Filter	Saw Filter for AMPS TX	AMPS TX	fo=836.5MHz	
	NSVS607	Saw Filter	Saw Filter for AMPS RX	AMPS RX	fo=881.5MHz	

	NSVS608	Saw Filter	Saw Filter for GSM TX	GSM TX	fo=902.5MHz	
	NSVS609	Saw Filter	Saw Filter for GSM RX	GSM RX	fo=947.5MHz	
	NSVS610	Saw Filter	Transceiver for PDC1.5G	PDC1.5G Cellular Phones	TX: fo=1441MHz, Passband Width=24MHz	F251
	NSVS612	Saw Filter	Saw Filter for Low Power Transceiver	Low Power Transceiver	fo=421.9MHz, Passband Width=1.0MHz	W351
	NSVS613	Saw Filter	Saw Filter for Low Power Transceiver	Low Power Transceiver	fo=426MHz, Passband Width=1.0MHz	W351
	NSVS614	Saw Filter	Saw Filter for Low Power Transceiver	Low Power Transceiver	fo=429.42MHz, Passband Width=1.0MHz	W351
	NSVS615	Saw Filter	Saw Filter for Keyless Entry Systems	Keyless Entry Systems/Security Systems	fo=433.92MHz, Passband Width=1.0MHz	W351
	NSVS616	Saw Filter	Saw Filter for Low Power Transceiver	Low Power Transceiver	fo=440MHz, Passband Width=1.0MHz	W351
	NSVS621	Saw Filter	Tranceiver forGSM900	GSM900 Cellular Phones	TX: fo=902.5MHz, Passband Width=25MHz	W351
	NSVS624	Saw Filter	Receiver for GSM900	GSM900 Cellular Phones	RX: fo=947.5MHz, Passband Width=25MHz	W353
	NSVS631	Saw Filter	Saw Filter for Russia Cordless Phones	Russia Cordless Phones	fo=814.5MHz (OUT1), 904.5MHz (OUT2)	
	NSVS632	Saw Filter	Saw Filter for Spain Cordless Phones	Spain Cordless Phones	fo=870.5MHz (OUT1), 915.5MHz (OUT2)	
	NSVS633	Saw Filter	Saw Filter for Spain Cordless Phones	Spain Cordless Phones	fo=870.5MHz (OUT1), 915.5MHz (OUT2)	

	NSVS634	Saw Filter	Saw Filter for Korea WLL TX	Korea WLL TX	fo=2315MHz	
	NSVS635	Saw Filter	Saw Filter for Korea WLL TX	Korea WLL TX	fo=2315MHz	
	NSVS638	Saw Filter	Saw Filter for Keyless Entry Systems	Keyless Entry Systems/Security Systems	fo=320.65MHz, Passband Width=1.0MHz	W521
	NSVS639	Saw Filter	Saw Filter for Keyless Entry Systems	Keyless Entry Systems/Security Systems	fo=315MHz, Passband Width=1.0MHz	W521
	NSVS640	Saw Filter	Saw Filter for PDC 1441MHz TX	PDC 1441MHz TX	fo=1441MHz	
	NSVS641	Saw Filter	Saw Filter for PDC 1441MHz TX	PDC 1441MHz TX	fo=1441MHz	
	NSVS647	Saw Filter	Saw Filter for 446.05MHz Data	446.05MHz Data	fo=446.05MHz	
	NSVS648	Saw Filter	Tranceiver for AMPS	AMPS Cellular Phones	TX: fo=836.5MHz, Passband Width=25MHz	W301
	NSVS649	Saw Filter	Receiver for AMPS	AMPS Cellular Phones	RX: fo=881.5MHz, Passband Width=25MHz	W301
	NSVS650	Saw Filter	Saw Filter for AMPS TX	AMPS TX	fo=836.5MHz	
	NSVS651	Saw Filter	Saw Filter for PCS 1489MHz	PCS 1489MHz	fo=1489MHz	
	NSVS657	Saw Filter	Saw Filter for Low Power Transceivers	Low Power Transceivers	fo=426.42MHz, Passband Width=1.0MHz	W521
	NSVA658	Saw Filter	Saw Filter for GPS	GPS	fo=1575.42MHz, Passband Width=2.0MHz	F251
	NSVS660	Saw Filter	Tranceiver for AMPS Cellular Phone	AMPS Cellular Phones	TX: fo=836.5MHz	
	NSVS661	Saw Filter	Receiver for AMPS Cellular Phone	AMPS Cellular Phones	RX: fo=881.5MHz	
	NSVS662	Saw Filter	Tranceiver for AMPS	AMPS Cellular Phones	TX: fo=836.5MHz, Passband Width=25MHz	F251
	NSVS663	Saw Filter	Receiver for AMPS	AMPS Cellular Phones	RX: fo=881.5MHz, Passband Width=25MHz	F251
	NSVS665	Saw Filter	Saw Filter for ISM Band Cordless Phones	ISM Band Cordless Phones	fo=903MHz (INPUT1), 927MHz (IN/OUT2)	
	NSVS670	Saw Filter	Saw Filter for Pagers	Pagers	fo=420MHz, Passband Width=20MHz	W251

	NSVS675	Saw Filter	Saw Filter for Pagers	Pagers	fo=448MHz, Passband Width=20MHz	W251
	NSVS676	Saw Filter	Saw Filter for Pagers	Pagers	fo=463MHz, Passband Width=20MHz	W251
	NSVS677	Saw Filter	Saw Filter for 434MHz Specified Low Power Radio Stations	434MHz Specified Low Power Radio Stations	fo=434MHz	
	NSVS679	Saw Filter	Saw Filter for Keyless Entry Systems	Keyless Entry Systems/Security Systems	fo=399.8MHz, Passband Width=1.0MHz	W351
	NSVS680	Saw Filter	Saw Filter for Keyless Entry Systems	Keyless Entry Systems/Security Systems	fo=447MHz, Passband Width=2.0MHz	W351
	NSVS681	Saw Filter	Saw Filter for Keyless Entry Systems	Keyless Entry Systems/Security Systems	fo=314.35MHz, Passband Width=1.0MHz	W351
	NSVS682	Saw Filter	Saw Filter for Keyless Entry Systems	Keyless Entry Systems/Security Systems	fo=320.65MHz, Passband Width=1.0MHz	W351
	NSVS685	Saw Filter	Saw Filter for 304.3MHz Remote Unlocking	304.3MHz Remote Unlocking	fo=304.3MHz	
	NSVS686	Saw Filter	Saw Filter for 314MHz Remote Unlocking	314MHz Remote Unlocking	fo=314MHz	
	NSVS687	Saw Filter	Saw Filter for 314.35MHz Remote Unlocking	314.35MHz Remote Unlocking	fo=314.35MHz	
	NSVS688	Saw Filter	Saw Filter for 433.92MHz Remote Unlocking	433.92MHz Remote Unlocking	fo=433.92MHz	
	NSVS690	Saw Filter	Transceiver for USA PCS Cellular Phone	USA PCS Cellular Phones	TX: fo=1800MHz	
	NSVS691	Saw Filter	Receiver for USA PCS Cellular Phone	USA PCS Cellular Phones	RX: fo=1960MHz	

	NSVS692	Saw Filter	Transceiver for PCS USA	PCS USA Cellular Phones	TX: fo=1880MHz, Passband Width=60MHz	F251
	NSVS693	Saw Filter	Receiver for PCS USA	PCS USA Cellular Phones	RX: fo=1960MHz, Passband Width=60MHz	F251
	NSVS694	Saw Filter	Saw Filter for ISM Band 915MHz	ISM Band 915MHz	fo=915MHz	
	NSVS695	Saw Filter	Saw Filter for ISM Band 915MHz	ISM Band 915MHz	fo=915MHz	
NSVS7xx	NSVS704	Saw Filter	Saw Filter for GPS	GPS	fo=1575.42MHz, Passband Width=2.0MHz	W354
	NSVS706	Saw Filter	Saw Filter for GPS	GPS	fo=1575.42MHz	
	NSVS707	Saw Filter	Receiver for PCS Korea	PCS Cellular Phones for Korea	RX: fo=1855MHz, Passband Width=30MHz	F251
	NSVS708	Saw Filter	Transceiver for PCS Korea	PCS Cellular Phones for Korea	TX: fo=1765MHz, Passband Width=30MHz	F251
	NSVS709	Saw Filter	Receiver for PCS Korea	PCS Cellular Phones for Korea	RX: fo=1855MHz, Passband Width=30MHz	F251
	NSVS710	Saw Filter	Transceiver for PCS Korea	PCS Cellular Phones for Korea	TX: fo=1765MHz, Passband Width=30MHz	F251
	NSVS711	Saw Filter	Saw Filter for PCS RX Korea	PCS RX Korea	fo=1855MHz	
	NSVS712	Saw Filter	Saw Filter for PCS TX Korea	PCS TX Korea	fo=1765MHz	
	NSVS713	Saw Filter	Receiver for PCS China	PCS Cellular Phones for China	RX: fo=1865MHz, Passband Width=30MHz	W301
	NSVS714	Saw Filter	Transceiver for PCS China	PCS Cellular Phones for China	TX: fo=1770MHz, Passband Width=30MHz	W301
	NSVS715	Saw Filter	Receiver for EGSM	EGSM Cellular Phones	RX: fo=942.5MHz, Passband Width=35MHz	W302
	NSVS716	Saw Filter	Receiver for EGSM	EGSM Cellular Phones	RX: fo=942.5MHz, Passband Width=35MHz	W304
	NSVS718	Saw Filter	Transceiver for PCS USA	PCS USA Cellular Phones	TX: fo=1865MHz/1895MHz, Passband Width=30MHz	W303
	NSVS719	Saw Filter	Receiver for GSM1800	GSM1800 Cellular Phones	RX: fo=1842.5MHz, Passband Width=75MHz	W301
	NSVS726	Saw Filter	Transceiver for IMT2000	IMT2000 Cellular Phones	TX: fo=1950MHz, Passband Width=60MHz	F251

	NSVS727	Saw Filter	Receiver for IMT2000	IMT2000 Cellular Phones	RX: fo=2140MHz, Passband Width=60MHz	F251
	NSVS728	Saw Filter	Saw Filter for PCN RX (Unbalanced-Balanced)	PCN RX (Unbalanced-Balanced)	fo=1842MHz	
	NSVS731	Saw Filter	Receiver for GSM1800	RX: fo=1842.5MHz, Passband Width=75MHz	RX: fo=1842.5MHz, Passband Width=75MHz	W304
	NSVS732	Saw Filter	Transceiver for EGSM	EGSM Cellular Phones	TX: fo=897.5MHz, Passband Width=35MHz	W304
	NSVS733	Saw Filter	Transceiver for EGSM	EGSM Cellular Phones	TX: fo=897.5MHz, Passband Width=35MHz	W302
	NSVS735	Saw Filter	Receiver for AMPS+PCS	AMPS+PCS Cellular Phones	RX: fo=881.5MHz/1960MHz, Passband Width=25MHz/60MHz	W303
	NSVS737	Saw Filter	Transceiver for AMPS+PCS	AMPS+PCS Cellular Phones	TX: fo=836.5MHz/1880MHz, Passband Width: 25MHz/60MHz	W303
	NSVS741	Saw Filter	Transceiver for PCS Korea	PCS Cellular Phones for Korea	TX: fo=1765MHz, Passband Width=30MHz	F301
	NSVS744	Saw Filter	Saw Filter for Digital TV	Digital TV	fo=1220MHz, Passband Width=16MHz	W384
	NSVS745	Saw Filter	Saw Filter for USA ISM	USA ISM Cordless Phones	fo=904.5MHz/925.5MHz, Passband Width=5.0MHz	W382
	NSVS746	Saw Filter	Saw Filter for USA ISM	USA ISM Cordless Phones	fo=925.5MHz/904.5MHz, Passband Width=5.0MHz	W382
	NSVS747	Saw Filter	Saw Filter for Keyless Entry Systems	Keyless Entry Systems/Security Systems	fo=314.95MHz, Passband Width=1.0MHz	W351
	NSVS750	Saw Filter	Transceiver for PCS USA	PCS USA Cellular Phones	TX: fo=1880MHz, Passband Width=60MHz	W301
	NSVS751	Saw Filter	Receiver for PCS USA	PCS USA Cellular Phones	RX: fo=1960MHz, Passband Width=60MHz	W301
	NSVS754	Saw Filter	Saw Filter for RF Wireless LAN	Wireless LAN	RF: fo=2450MHz, Passband Width=100MHz	W301
	NSVS755	Saw Filter	Saw Filter for RF Wireless LAN	Wireless LAN	RF: fo=2450MHz, Passband Width=100MHz	F251
	NSVS756	Saw Filter	Receiver for EGSM	EGSM Cellular Phones	RX: fo=942.5MHz, Passband Width=35MHz	W301
	NSVS757	Saw Filter	Transceiver for EGSM	EGSM Cellular Phones	TX: fo=897.5MHz, Passband Width=35MHz	W301
	NSVS758	Saw Filter	Saw Filter for IF Wireless LAN	Wireless LAN	IF: fo=374MHz, Passband Width=15MHz	W522

	NSVS760	Saw Filter	Trnsceiver for GSM1800	GSM1800 Cellular Phone	TX: fo=1747.5MHz, Passband Width=75MHz	W381
	NSVS763	Saw Filter	Transceiver for EGSM+GSM1800	EGSM+GSN100 Cellular Phone	TX: fo=897.5MHz/1747.5MHz, Passband Width=35MHz/75MHz	W303
	NSVS764	Saw Filter	Transceiver for EGSM+GSM1800	EGSM+GSN100 Cellular Phone	TX: fo=897.5MHz/1747.5MHz, Passband Width=35MHz/75MHz	W303
	NSVS765	Saw Filter	Receiver for EGSM+GSM1800	EGSM+GSN100 Cellular Phone	RX: fo=942.5MHz/1842MHz, Passband Width=35MHz/75MHz	W303
	NSVS766	Saw Filter	Receiver for EGSM+GSM1800	EGSM+GSN100 Cellular Phone	RX: fo=942.5MHz/1842MHz, Passband Width=35MHz/75MHz	W303
	NSVS768	Saw Filter	Receiver for EGSM	EGSM Cellular Phones	RX: fo=942.5MHz, Passband Width=35MHz	W301
	NSVS772	Saw Filter	Saw Filter for GPS	GPS	fo=1575.42MHz, Passband Width=2.0MHz	F251
	NSVS773	Saw Filter	Receiver for EGSM	EGSM Cellular Phones	RX: fo=942.5MHz, Passband Width=35MHz	W301
	NSVS776	Saw Filter	Saw Filter for IF Wireless LAN	Wireless LAN	IF: fo=374.0MHz, Passband Width=17.0MHz	W523
	NSVS778	Saw Filter	Saw Filter for SDH/SONET	SDH/SONET	fo=2488.32MHz	F321
	NSVS779	Saw Filter	Saw Filter for SDH/SONET	SDH/SONET	fo=1244.16MHz	F321
	NSVS780	Saw Filter	Saw Filter for SDH/SONET	SDH/SONET	fo=622.08MHz	F321
	NSVS782	Saw Filter	Saw Filter for GPS	GPS	fo=1575.42MHz, Passband Width=2.0MHz	F301
	NSVS783	Saw Filter	Saw Filter for GPS	GPS	fo=1575.42MHz, Passband Width=2.0MHz	W304
	NSVS784	Saw Filter	Transceiver for GSM900	GSM900 Cellular Phones	TX: fo=902.5MHz, Passband Width=25.0MHz	W301
	NSVS785	Saw Filter	Receiver for GSM900	GSM900 Cellular Phones	RX: fo=947.5MHz, Passband Width=25.0MHz	W301
	NSVS786	Saw Filter	Saw Filter for IF Wireless LAN	Wireless LAN	IF: fo=280.0MHz, Passband Width=20.0MHz	W702
New!	NSVS787	Saw Filter	Saw Filter for IF Wireless LAN	Wireless LAN	IF: fo=280.0 MHz, Passband Width=20.0MHz	W522

	NSVS790	Saw Filter	Saw Filter for GPS	GPS	fo=1575.42MHz, Passband Width=2.0MHz	F251	
	NSVS791	Saw Filter	Saw Filter for GPS	GPS	fo=1575.42MHz, Passband Width=2.0MHz	F301	
	NSVS792	Saw Filter	Saw Filter for GPS	GPS	fo=1575.42MHz, Passband Width=2.0MHz	F301	
	NSVS793	Saw Filter	Saw Filter for AMPS TX	AMPS TX	fo=836.5MHz	W301	
	NSVS794	Saw Filter	Saw Filter for AMPS RX	AMPS RX	fo=881.5MHz	W301	
	NSVS797	Saw Filter	Saw Filter for W-CDMA Cellular Phones	W-CDMA Cellular Phones	fo=190MHz, Passband Width=4MHz		
	NSVS798	Saw Filter	Saw Filter for PDC 1441MHz TX	PDC 1441MHz TX	fo=1441MHz		
	NSVS799	Saw Filter	Saw Filter for PDC 1489MHz RX	PDC 1489MHz RX	fo=1489MHz		
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NSVS8xx							
		NSVS802	Saw Filter	Saw Filter for TELCONTROL	TELCONTROL	fo=869.0MHz	W351
	<i>New!</i>	NSVS803	Saw Resonator	Saw Resonator for Keyless Entry Systems	Keyless Entry Systems	fo=433.92 MHz	F321
		NSVS806	Saw Filter	Saw Filter for 426.42MHz Remote Unlocking	426.42MHz Remote Unlocking	fo=426.42MHz	W351
		NSVS807	Saw Filter	Saw Filter for U.S. Family Radio System (FRS)	U.S. Family Radio System (FRS)	fo=465.0MHz	W381
	<i>New!</i>	NSVS808	Saw Filter	Saw Filter for IF Wireless LAN	Wireless LAN	IF: fo=450.0MHz	W522
		NSVS820	Saw Filter	Saw Filter for 666.514MHz SONET/SDH	Forward Error Correction for Crystal Oscillators for SONET/SDH	fo=666.514MHz	F321

	NSVS821	Saw Filter	Saw Filter for AMPS TX	AMPS TX	fo=836.5MHz	F251
	NSVS822	Saw Filter	Saw Filter for AMPS RX	AMPS RX	RX: fo=881.5MHz	F251
<i>New!</i>	NSVS823	Saw Filter	Saw Filter for IMT2000	IMT2000 Cell Phones	TX: fo=906MHz, Passband Width=38MHz	F251
<i>New!</i>	NSVS824	Saw Filter	Saw Filter for CDMA One	CDMA One Cell Phones	RX: fo=851MHz, Passband Width=38MHz	F251
<i>New!</i>	NSVS825	Saw Filter	Saw Filter for Low Power Transceiver	Low Power Transceiver	fo=440.0MHz, Passband Width=1.0 MHz	W522
<i>New!</i>	NSVS841	Saw Filter	Saw Filter for 644.0MHz SONET/SDH	644.0MHz Crystal Oscillators for SONET/SDH	fo=644.0MHz	F321
<i>New!</i>	NSVS842	Saw Filter	Saw Filter for 777.6MHz SONET/SDH	777.6MHz Crystal Oscillators for SONET/SDH	fo=777.6MHz	F321
<i>New!</i>	NSVS847	Saw Filter	Saw Filter for Low Power Transceiver	Low Power Transceiver	fo=437.0 MHz, Passband Width=2.0MHz	W351
<i>New!</i>	NSVS848	Saw Filter	Saw Filter for Low Power Transceiver	Low Power Transceiver	fo=458.0MHz	W522
<i>New!</i>	NSVS849	Saw Filter	Saw Filter for 644.531MHz SONET/SDH	644.531MHz Crystal Oscillators for SONET/SDH	fo=644.531MHz	F321
<i>New!</i>	NSVS850	Saw Filter	Saw Filter for 669.327MHz SONET/SDH	669.327MHz Crystal Oscillators for SONET/SDH	fo=669.327MHz	F321
<i>New!</i>	NSVS851	Saw Filter	Saw Filter for 690.569MHz SONET/SDH	690.569MHz Crystal Oscillators for SONET/SDH	fo=690.569MHz	F321
<i>New!</i>	NSVS856	Saw Filter	Saw Filter for PDC 1.5G	PDC 1.5G Cell Phones	RX: fo=1489MHz, Passband Width=24MHz	F251
<i>New!</i>	NSVS872	Saw Filter	Saw Filter for Keyless Entry Systems	Keyless Entry Systems/Security Systems	314.0 MHz	W351
<i>New!</i>	NSVS884	Saw Filter	Saw Filter for Keyless Entry Systems	Keyless Entry Systems/Security Systems	fo=304.3MHz, Passband Width=1.0MHz	W351

NSVS9xx

New!	NSVS910	Saw Filter	Saw Filter for 672.1627 MHz SONET/SDH	672.1627 MHz Crystal Oscillators for SONET/SDH	fo=672.1627 MHz
New!	NSVS923	Saw Filter	Saw Filter for 1244.16 MHz SONET/SDH	1244.16 MHz Crystal Oscillators for SONET/SDH	fo=1244.16 MHz, Insertion Loss at fo=3.5dB, Loaded Q=1350
New!	NSVS934	Saw Filter	Saw Filter for 350.0 MHz Oscillator Module for Data Communications	350.0 MHz Oscillator Module for Data Communications	fo=350.0 MHz
New!	NSVS935	Saw Filter	Saw Filter for 1010.6 MHz Oscillators	1010.6 MHz Oscillators	fo=1010.16 MHz
New!	NSVS936	Saw Filter	Saw Filter for 600.0 MHz Oscillators	600.0 MHz Oscillators	fo=600.0 MHz
New!	NSVS937	Saw Filter	Saw Filter for 2475.0 MHz Oscillators	2475.0 MHz Oscillators	fo=2475.0 MHz
New!	NSVS940	Saw Filter	Saw Filter for 622.08 MHz SONET/SDH	622.08 MHz SONET/SDH	fo=622.08 MHz, Insertion Loss at fo=2.5dB, Loaded Q=1050
New!	NSVS948	Saw Filter	Saw Filter for 773.0 MHz Wireless Headphones	773.0 MHz Wireless Applications	fo=773.0 MHz
New!	NSVS949	Saw Filter	Saw Filter for 797.0 MHz Wireless Headphones	797.0 MHz Wireless Applications	fo=797.0 MHz
New!	NSVS950	Saw Filter	Saw Filter for 864.0 MHz Wireless Headphones	864.0 MHz Wireless Applications	fo=864.0 MHz
New!	NSVS951	Saw Filter	Saw Filter for 959.5 MHz	Saw Filter for Europe CT1	fo=959.5 MHz, Passband Width=9.0 MHz
New!	NSVS953	Saw Filter	Saw Filter for 840.0 MHz Oscillator Module for Data Communications	840.0 MHz Oscillator Module for Data Communications	fo=840.0 MHz
New!	NSVS954	Saw Filter	Saw Filter for 1310.0 MHz Oscillator Module for Data Communications	1310.0 MHz Oscillator Module for Data Communications	fo=1310.0 MHz
New!	NSVS955	Saw Filter	Saw Filter for 622.08 MHz SONET/SDH	622.08 MHz SONET/SDH	fo=622.08 MHz, Insertion Loss at fo=4.0dB, Loaded Q=30

