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[3] 用途別、外圍器別選択早見表

○ 汎用製品

<低周波小信号増幅用トランジスタ>

用途	TO-92		MINI		S-MINI		USM		SSM		ESM	
												
General purpose	2SC1815	2SA1015	2SC2458 2SC2459	2SA1048 2SA1049	2SC2712 2SC2713	2SA1162 2SA1163	2SC4116 2SC4117	2SA1586 2SA1587	2SC4738	2SA1832	2SC4738F	2SA1832F
General purpose (Low Noise)	2SC1815④ 2SC732TM	2SA1015④	2SC2458④	2SA1048④	2SC3324	2SA1312						
E. Q. Amp Diff.	2SC2240	2SA970	2SC2459	2SA1049	2SC3324	2SA1312						
Main Amp Diff.	2SC2240	2SA970			2SC3324	2SA1312						
Low Frequency Amplifier	2SC2120	2SA950	2SC2710	2SA1150	2SC3265	2SA1298						
	2SC1959	2SA562TM			2SC2859	2SA1182	2SC4118	2SA1588				
Impedance Converter	2SK246	2SJ103	2SK330	2SJ105	2SK208	2SJ106	2SK879	2SJ144				
	2SK30ATM		2SK118				2SK879					
Low Noise Audio Amplifier	2SK117		2SK184		2SK209		2SK880					
Muting	2SC2878		2SC3327		2SC3326		2SC4213					
High β	2SC3112		2SC3113		2SC3295		2SC4666					
High Speed SW	2SC752⑥TM				2SC3437		2SC4667					

<低周波増幅、スイッチング、定電流負荷、インピーダンス変換用トランジスタ>









N チャンネル				P チャンネル				Yfs (mS) @IDSS = 5mA	RDS (ON) (Ω)
TO-92	MINI	S-MINI	USM	TO-92	MINI	S-MINI	USM		
								4	320/270
2SK246	2SK330	2SK208	2SK879	2SJ103	2SJ105	2SJ106	2SJ144		
2SK373	2SK367	2SK368	—	—	—	—	—	19	80
2SK362	2SK365	2SK209	2SK880	—	—	—	—	30	50/40
2SK364	2SK366	—	—	2SJ104	2SJ107	—	—	40	36
2SK363	2SK372	—	—	—	—	—	—		

<汎用、低周波 MOS FET>

用途	構造	外 圍 器					Vth (V)	RDS (ON) (Ω)
		TO-92	MINI	S-MINI	USM	SSM		
General Purpose	Nch MOS	2SK982	2SK1061	2SK1062	—	—	2.0~3.5	0.6 (Typ.)
General Purpose	Nch MOS	—	2SK1825	2SK1826	2SK1827	—	0.8~2.5	20 (Typ.)
General Purpose	Pch MOS	2SJ148	2SJ167	2SJ168	—	—	-2.0~-3.5	1.3 (Typ.)
General Purpose	Pch MOS	—	2SJ342	2SJ343	2SJ344	—	-0.8~-2.5	20 (Typ.)





○ 高周波用製品

<AM/FM チューナ用トランジスタ>

用途			外 圍 器							
			TO-92	Mini	Super-Mini (SOT-23 MOD./ TO-236 MOD.)	Ultra Super-Mini	SSM	ESM	Super-Mini Quad. (SOT- 143 MOD.)	USQ
										
FM	RF	Dual Gate MOS							3SK126 3SK195 3SK225 *3SK226 3SK292	3SK257 3SK258 *3SK294
		Single Gate MOS							2SK1771	
		Cascode MOS		2SK241	2SK302	2SK882				
		Cascode J-FET		2SK161	2SK211	2SK881				
		Single Gate J-FET		2SK192A	2SK210					
	Bipolar	2SC1923	2SC2668	2SC2714	2SC4215	2SC4915				
	MIX	Dual Gate MOS							3SK126 3SK151	3SK260
		Bipolar	2SC1923	2SC2668	2SC2714	2SC4215	2SC4915			
	OSC	Single Gate J-FET		2SK192A	2SK210					
		Bipolar	2SC1923	2SC2668 2SC2995	2SC2714 2SC2996	2SC4215	2SC4915			
IF	Bipolar	2SC380TM	2SC2669 2SC2995	2SC2715 2SC2996						
AM	RF	Single Gate J-FET	2SK709	2SK710	2SK711	2SK1875				
		Bipolar	2SC941TM	2SC2670	2SC2716					
	CONV	Bipolar	2SC380TM 2SC941TM 2SC1815	2SC2669 2SC2670 2SC2458	2SC2715 2SC2716 2SC2712	2SC4116	2SC4738	2SC4738F		
		IF	Bipolar	2SC380TM 2SC1815	2SC2669 2SC2458	2SC2715 2SC2712	2SC4116	2SC4738	2SC4738F	









* 新製品

<TV チューナ用トランジスタ>

用途			外 圍 器			
			Super-Mini (SOT-23 MOD./ TO-236 MOD.)	Ultra Super-Mini	Super-Mini Quad (SOT-143 MOD.)	USQ
						
UHF	RF	GaAs MES			3SK240 3SK283	3SK274 3SK284
		MOS			3SK127 3SK153 3SK199 3SK207 3SK232 *3SK291	3SK256 3SK249 *3SK293
		Bipolar		2SC4244	2SC3828 2SC4214	
	MIX	Bipolar	2SC3120 2SC3862	2SC4245		
	OSC	Bipolar	2SC3120 2SC3121 2SC3547A 2SC3547B	2SC4245 2SC4246 2SC4247 2SC4248 2SC4527		
VHF	RF	MOS			3SK126 3SK153 3SK195 3SK225 3SK226 *3SK292	3SK259 3SK257 3SK258 *3SK294
		Bipolar	2SC3122	2SC4249		
	MIX	Bipolar	2SC3123	2SC4250		
		MOS			3SK151	3SK260
	OSC	Bipolar	2SC3124 2SC4255	2SC4251 2SC4252		



* 新製品

<VHF~UHF 帯トランジスタ>





用途		外 围 器							
		TO-92	Power-Mini (SOT-89)	Super-Mini (SOT-23 MOD. TO-236 MOD.)	Ultra Super-Mini	SSM	ESM	Super-Mini Quad. (SOT- 143 MOD.)	USQ
									
VHF~UHF Low Noise Amp	PNP・TR	2SA1161							
	NPN・TR	2SC2498 2SC2644 2SC2753 2SC3605 2SC4316	2SC3268 2SC3607 2SC4318	2SC3098 2SC3099 2SC3011 2SC5064 2SC3429 2SC5084 2SC4470 2SC5089 2SC5094 *2SC5254 *2SC5259 *2SC5315 *2SC5320	2SC4392 2SC5065 2SC4393 2SC5085 2SC5090 2SC5095 *2SC5255 *2SC5260 *2SC5316 *2SC5321	2SC5066 2SC5086 2SC5091 2SC5096 *2SC5313 *2SC5256 *2SC5261 *2SC5317 *2SC5322	*2SC5066F *2SC5086F *2SC5091F *2SC5096F *2SC5256F *2SC5261F *2SC5317F *2SC5322F	2SC3745 2SC5087 2SC5092 2SC5097 *2SC5257 *2SC5262 *2SC5318 *2SC5323	2SC5088 2SC5093 2SC5098 *2SC5258 *2SC5263 *2SC5319 *2SC5324
VHF~UHF OSC	NPN・TR			2SC3547A 2SC3547B 2SC5106 2SC1509	2SC4247 2SC4248 2SC5107 2SC5110	2SC5108 2SC5111	2SC5108F 2SC5111F		

* 新製品

<SHF 帯 GaAs MODFETs>

用途	外 围 器	
	MMX	USQ
		
SHF Low Noise Amp.	2SK2331 2SK2496 2SK2332 2SK2497	
UHF Low Noise Amp.		2SK2856

<複合素子>

用途	外 圍 器			
	SMV (SSOP5-P-0.95)	SM6 (SSOP6-P-0.95)	US6	FM8
				
AM RF (with AGC)	HN3G01J			
TV VHF		HN3C01F	HN3C01FU	
TV UHF		HN3C02F HN3C03F	HN3C02FU HN3C03FU	
VHF~UHF Low Noise Amp.		HN3C09F, HN3C10F HN3C11F, HN3C12F HN3C13F, HN3C14F *HN3C15F *HN3C16F *HN3C17F *HN3C18F	HN3C09FU, HN3C10FU HN3C11FU, HN3C12FU HN2C10FU, HN2C12FU HN3C13FU, HN3C14FU *HN3C15FU *HN3C16FU *HN3C17FU *HN3C18FU	
AM Tuning				HN1V01H HN1V02H HN2V02H

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