



电子元器件系列(中国.厦门) China.Xiamen
www.rf-china.com RF-Micom co.,Ltd

Email:sales@rf-china.com

Telephone:0086-592-5713956 Fax:5201617

RF Power LDMOS Product Selection Guide

		Linear Typical				CW P1dB Comp		
Device	Frequency band	Gain (dB)	Pout (W)	Eff (%)	ACPR (dBc)	Pout (W) Min / Typ	Drain Eff (%)	θJC (C/W)
Cellular 865-895Mhz 28V Single Carrier IS-95								
AGR09030EF	865-895	21	7	27	-45 (+/- 750kHz)	30/40	57	2.2
AGR09030EU	865-895	21	7	27	-45 (+/- 750kHz)	30/40	57	1.85
AGR09045EF	865-895	20.5	10	27	-45 (+/- 750kHz)	45/60	57	1.6
AGR09045EU	865-895	20.5	10	27	-45 (+/- 750kHz)	45/60	57	1.25
AGR09060GF	865-895	18.5	14	27	-45 (+/- 750kHz)	60/75	57	1.3
AGR09060GU	865-895	18.5	14	27	-45 (+/- 750kHz)	60/75	57	TBD
AGR09085EF	865-895	18	20	28	-45 (+/- 750kHz)	85/105	55	0.7
AGR09085EU	865-895	18	20	28	-45 (+/- 750kHz)	85/105	55	0.7
AGR09180EF	865-895	15.5	38	26	-45 (+/- 750kHz)	180/220	51	0.35
AGR09180EU	865-895	15.5	38	26	-45 (+/- 750kHz)	180/220	51	0.35
Cellular 930-960Mhz 26V GSM/EDGE								
AGR09070EF	921-960	18.25	21	28	-60 (+/- 400kHz)	70/85	56	0.8
AGR09090EF	921-960	17.8	40	40	-60 (+/- 400kHz)	90/100	60	0.8
AGR09130EF	921-960	18	50	36	-60 (+/- 400kHz)	130/150	55	0.5
AGR09130EU	921-960	18	50	36	-60 (+/- 400kHz)	130/150	55	0.5
DCS 1805-1880Mhz 26V GSM/EDGE								
AGR18030EF	1805-1880	15	10	38	-60 (+/- 400kHz)	30	52	2
AGR18030EU	1805-1880	15	10	38	-60 (+/- 400kHz)	30	52	2
AGR18060EF	1805-1880	15	20	33	-60 (+/- 400kHz)	60	52	1
AGR18060EU	1805-1880	15	20	33	-60 (+/- 400kHz)	60	52	1
AGR18090EF	1805-1880	15	30	31	-63 (+/- 400kHz)	90	50	0.75
AGR18090EU	1805-1880	15	30	31	-63 (+/- 400kHz)	90	50	0.75
AGR18125EF	1805-1880	13.5	36	28	-60 (+/- 400kHz)	125	50	0.5
AGR18125EU	1805-1880	13.5	36	28	-60 (+/- 400kHz)	125	50	0.5
PCS 1930-1990Mhz 28V CDMA/EDGE/GSM								
AGR19030EF	1930-1990	16	4.5	20	-52 (+/- 885kHz)	30	55	2
AGR19030EU	1930-1990	16	4.5	20	-52 (+/- 885kHz)	30	55	2
AGR19045EF	1930-1990	16	6	20	-52 (+/- 885kHz)	45	55	1.5
AGR19045EU	1930-1990	16	6	20	-52 (+/- 885kHz)	45	55	1.5
AGR19060EF	1930-1990	15.5	7.5	20	-52 (+/- 885kHz)	60	52	1
AGR19060EU	1930-1990	15.5	7.5	20	-52 (+/- 885kHz)	60	52	1
AGR19090EF	1930-1990	15.5	9	18	-52 (+/- 885kHz)	90	52	0.75
AGR19090EU	1930-1990	15.5	9	18	-52 (+/- 885kHz)	90	52	0.75
AGR19125EF	1930-1990	15	24	24	-48 (+/- 885kHz)	125	51	0.5
AGR19125EU	1930-1990	15	24	24	-48 (+/- 885kHz)	125	51	0.5
AGR19180EF	1930-1990	14.5	38	26	-48.5 (+/- 885kHz)	180	51	0.35
AGR19180EU	1930-1990	14.5	38	26	-48.5 (+/- 885kHz)	180	51	0.35

RF Power LDMOS Product Selection Guide (continued)

		Linear Typical				CW P1dB Comp		
Device	Frequency band	Gain (dB)	Pout (W)	Eff (%)	ACPR (dBc)	Pout (W) Min / Typ	Drain Eff (%)	θJC (C/W)
UMTS 2110-2170Mhz 28V 2 Carrier 3GPP W-CDMA								
AGR21030EF	2110-2170	14.5	7	26	-37 (+/- 5 MHz)	30	51	2
AGR21030EU	2110-2170	14.5	7	26	-37 (+/- 5 MHz)	30	51	2
AGR21045EF	2110-2170	14.5	10	26	-37 (+/- 5 MHz)	45	51	1.5
AGR21045EU	2110-2170	14.5	10	26	-37 (+/- 5 MHz)	45	51	1.5
AGR21060EF	2110-2170	14.5	13.5	26	-37 (+/- 5 MHz)	60	51	1
AGR21060EU	2110-2170	14.5	13.5	26	-37 (+/- 5 MHz)	60	51	1
AGR21090EF	2110-2170	14.5	19	26	-37 (+/- 5 MHz)	90	50	0.7
AGR21090EU	2110-2170	14.5	19	26	-37 (+/- 5 MHz)	90	50	0.7
AGR21125EF	2110-2170	14	28	28	-39 (+/- 5 MHz)	125	50	0.5
AGR21125EU	2110-2170	14	28	28	-39 (+/- 5 MHz)	125	50	0.5
AGR21180EF	2110-2170	14	38	26	-39 (+/- 5 MHz)	180	50	0.35
AGR21180EU	2110-2170	14	38	26	-39 (+/- 5 MHz)	180	50	0.35
MMDS 2535-2655Mhz 28V Multi-Carrier 3GPP W-CDMA								
AGR26045EU	2535-2655	13	6.5	20	-37 (+/- 5 MHz)	45	-	1.5
AGR26125EF	2535-2655	12	20	20	-37 (+/- 5 MHz)	125	-	0.5
AGR26180EU	2535-2655	12	27	20	-39 (+/- 5 MHz)	180	-	0.35
BROADBAND 28V General Purpose Class A, AB device								
AGRA10E	@450-500	23	3	30	-45 (+/- 750kHz)	-	61	4.5
	@865-895	22	3	28	-45 (+/- 750kHz)	-	61	4.5
	@921-960	21	3	27	-58 (+/- 400kHz)	-	61	4.5
AGRB10E	@1626-1661	18	3	26	-60 (+/- 400kHz)	-	59	4.5
	@1930-1990	16	3	34	-37 (+/- 5 MHz)	-	58	4.5
	@2110-2170	15	3	26	-37 (+/- 5 MHz)	-	54	4.5

Complementary Products Table

Product Name	Product	Access			Edge/Core	
		Node B	RNC	Access Platform	Multiservice Edge	Core Router
Processor	APP750NP					
	APP750TM					
	APP550					
	APP530					
	APP540					
	APP520					
	APP550TM					
	APP530TM					
	APP100					
	TAAD08JU2					
Aggregation	TAAD Lite					
	TAAD UltraLite					
	APC					
Switching	SAR-2K					
	SAR-1K					
	SAR-500					
	PI-40 SAX					
	PI-40X/C					
	STSI					
	TSI					
	Ambassador®					
RF Power	AGRA					
	AGRB					
	AGR09					
	AGR18					
	AGR19					
	AGR21					
	AGR26					
TDM	MARS1G2 T LT					
	MARS622 T LT					
Data	MARS2G5 P-VC					
	MARS1G2 P-VC					
	MARS622 P-VC					
	MARS2G5 P					
	MARS1G2 P					
	MARS622 P					
	MARS1G2 P LT					
	MARS622 P LT					
Mapper	Supermapper					
	SupermapperLite					
	Superframer					
	Ultramapper					
	UltramapperLite					
	Ultramapper FT					
	Hypermapper					
	Hypermapper-Lite					