

BeRex Cross Reference Guide

株式会社ネットウエル

Product Description	Company	BeRex	W.J		Sirenza		Prewell		
	Part Number	BG14A	AG603-89	WJA-1005	SBB-4089	SGA-5389	PW350	PW470	
	Category	Gain Block	Gain Block	Gain Block	Gain Block	Gain Block	Gain Block	Gain Block	
	Material	InGap/GaAs HBT	InGap/GaAs HBT	InGap/GaAs HBT	SiGe HBT	SiGe HBT	InGap HBT	InGap HBT	
	Data sheet version	Finished	Finished	Finished	Finished	Finished	Finished	Finished	
	Package	SOT89	SOT89	SOT89	SOT89	SOT89	SOT89	SOT89	
	Matching Circuit	Internally Matched	Internally Matched	Internally Matched	Internally Matched	Internally Matched	Internally Matched	Internally Matched	
	Vcc(V)	5	5.16	5	5	3.6	4.84	5	
Typical Performance	Icc(mA)	85	75	65	80	60	58	69	
	ESD	Class 1C	Class 1C	Class 1C	Class 1C	?	Class 2	Class 2	
	MSL	MSL1	MSL3	MSL3	MSL1		MSL3	MSL3	
	Gain	70MHz	17.3					16.9	16.2
		900MHz	17	18.5	17.4	15.6	16.4	16.7	16
		1900MHz	16.2	16.5	14.4	15.5	15.4	16.4	15.5
		2140MHz	16	16	14				
		2450MHz	15.8	15.5		15.5	14.9	15.9	14.9
	P1	70MHz	20					18.5	19.4
		900MHz	19.5	19.3	16.7	19.1	16.3	17.6	19.2
		1900MHz	19.5	18.7	14	19.2	15	16.5	18.4
		2140MHz	19.5	18.6	13				
		2450MHz	19.5	18.6		18.6	14.1	15.7	17.7
	OIP3(dBm)	70MHz	38					33.5	35.7
		900MHz	37.5	33.2	36.6	39.3	31.5	33.5	35
		1900MHz	35.5	33	28.7	35.2	28.1	30.5	32.8
		2140MHz	35.5	33	27.1				
		2450MHz	34.5	32.8		32.8	26.6	29	31.5
	S11	70MHz	-20.0					-18	-28
		900MHz	-17.5	-18	-13.0	-29.9	-22.2	-18.0	-18
		1900MHz	-27.5	-24	-7.7	-19.4	-27.6	-30.0	-18
		2140MHz	-23.0	-21	-7.3				
		2450MHz	-19.0	-22		-17.6	-21.7	-25.0	-13
	S22	70MHz	-13.0					-12.0	-16
		900MHz	-15.0	-14	-9.9	-26.4	-23.4	-16.0	-19
		1900MHz	-10.5	-11	-6.8	-17.2	-15.9	-10.0	-14
		2140MHz	-11.5	-11	-7.0				
2450MHz		-10.0	-10		-14.7	-14.4	-9.0	-11	
NF(dB)	70MHz	5.4					3.2	3.5	
	900MHz	5.5	3.9	5.4	4.3	3.3	3.3	3.5	
	1900MHz	6	4.1	6.4	4.6	2.8	3.5	3.7	
	2140MHz	6.1	4.1	6.5					
	2450MHz	6.3	4.2		4.5	4.1	3.6	3.8	