

BeRex Cross Reference Guide

株式会社ネットウエル

Product Description	Company	BeRex	W.J		Sirenza	Prewell		
	Part Number	BG16C	AG603-89	WJA-1005	SGA-5389	PW350	PW470	
	Category	Gain Block	Gain Block	Gain Block	Gain Block	Gain Block	Gain Block	
	Material	InGap/GaAs HBT	InGap/GaAs HBT	InGap/GaAs HBT	SiGe HBT	InGap HBT	InGap HBT	
	Data sheet version	Finished	Finished	Finished	Finished	Finished	Finished	
	Package	SOT89	SOT89	SOT89	SOT89	SOT89	SOT89	
	Matching Circuit	Internally Matched	Internally Matched	Internally Matched	Internally Matched	Internally Matched	Internally Matched	
Typical Performance	Vcc(V)	5	5.16	5	3.6	4.84	5	
	Icc(mA)	40	75	65	60	58	69	
	ESD	Class 1C	Class 1C	Class 1C	?	Class 2	Class 2	
	MSL	MSL1	MSL3	MSL3		MSL3	MSL3	
	Gain	70MHz	20.2				16.9	16.2
		900MHz	17.1	18.5	17.4	16.4	16.7	16
		1900MHz	16.1	16.5	14.4	15.4	16.4	15.5
		2140MHz	15.7	16	14			
		2450MHz	15.3	15.5		14.9	15.9	14.9
	P1	70MHz	17.8				18.5	19.4
		900MHz	16.1	19.3	16.7	16.3	17.6	19.2
		1900MHz	15.5	18.7	14	15	16.5	18.4
		2140MHz	15.5	18.6	13			
		2450MHz	15	18.6		14.1	15.7	17.7
	OIP3(dBm)	70MHz	31				33.5	35.7
		900MHz	28.5	33.2	36.6	31.5	33.5	35
		1900MHz	28	33	28.7	28.1	30.5	32.8
		2140MHz	28	33	27.1			
		2450MHz	27.5	32.8		26.6	29	31.5
	S11	70MHz					-18	-28
		900MHz	-22.0	-18	-13.0	-22.2	-18.0	-18
		1900MHz	-24.0	-24	-7.7	-27.6	-30.0	-18
		2140MHz	-20.0	-21	-7.3			
		2450MHz	-16.0	-22		-21.7	-25.0	-13
	S22	70MHz					-12.0	-16
		900MHz	-29.0	-14	-9.9	-23.4	-16.0	-19
		1900MHz	-17.0	-11	-6.8	-15.9	-10.0	-14
2140MHz		-16.0	-11	-7.0				
2450MHz		-15.0	-10		-14.4	-9.0	-11	
NF(dB)	70MHz					3.2	3.5	
	900MHz	4.5	3.9	5.4	3.3	3.3	3.5	
	1900MHz	4.6	4.1	6.4	2.8	3.5	3.7	
	2140MHz	4.6	4.1	6.5				
	2450MHz	4.7	4.2		4.1	3.6	3.8	