

BeRex Cross Reference Guide

株式会社ネットウエル

Product Description	Company	BeRex	Sirenza		Prewell		ASB	Mini-Circuits		
	Part Number	BG13D	SGA-5589	SGA-6589	PS303	PW110	ASW205	ERA-8SM+	Gali 24+	
	Category	Gain Block	Gain Block	Gain Block	IF Gain Block	IF Gain Block	Gain Block	Gain Block	Gain Block	
	Material	InGap HBT	SiGe HBT	SiGe HBT	SiGe HBT	InGap HBT		InGap HBT	InGap HBT	
	Data sheet version	Finished	Finished	Finished	Finished	Finished	Finished	Finished	Finished	
	Package	SOT89	SOT89	SOT89	SOT89	SOT89	SOT89	WW107(SOT86)	SOT89	
	Matching Circuit	Internally Matched	Internally Matched	Internally Matched	Internally Matched	Internally Matched	Internally Matched	Internally Matched	Internally Matched	
	Vcc(V)	5	3.9	4.9	3.46	4.74	5	3.7	5.8	
Typical Performance	Icc(mA)	65	60	80	45	68	70	36	80	
	ESD	Class 1C	?	?	Class 2	Class 2		Class 1B	Class 1C	
	MSL	MSL1	?	?	MSL3	MSL3		MSL1	MSL1	
	Gain	70MHz	26.5			23.5	26		31.5	25.3
		900MHz	24.5	23.8	25.2	21	25	24.2	24.4	22.6
		1900MHz	21.5	20.3	19.8			20.7	19	19.1
		2140MHz	21.4							
		2450MHz	20	18.9	18.2					
	P1	70MHz	18.8			15	18.9		12.5	19.3
		900MHz	19	18.2	21.5	14	18.8	19	12.5	19.2
		1900MHz	19	16.2	19			19.5	12	19.4
		2140MHz	19							
		2450MHz	19	15.1	17.8					
	OIP3(dBm)	70MHz	36			30	34		27	33.8
		900MHz	32	32.9	32.5	27	32	33.5	25	35
		1900MHz	32	29.2	32			32.5	21.5	36.3
		2140MHz	31.5							
		2450MHz	31.5	27.7	30.3					
	S11	70MHz				-12.0	-13		14.5	21.6
		900MHz	-15.0	15.7	15.6	-15.0	-16	-15	16	20.4
		1900MHz	-12.0	13.7	13.1			-17	15	17.5
		2140MHz	-12.0							
		2450MHz	-10.0	12.8	12					
	S22	70MHz				-13.0	-14		12	18.5
		900MHz	-10.0	27.1	11.4	-11.0	-12	-10	13.5	11.5
1900MHz		-8.8	25.2	9.2			-9	12	9.1	
2140MHz		-8.5								
2450MHz		-8.0	23.9	9.4						
NF(dB)	70MHz				2.1	1.7		2.2	4.2	
	900MHz	4	3	2.5	2.2	1.9	3.5	2.8	4.3	
	1900MHz	4.2	3.4	2.9			3.6	3	4.2	
	2140MHz	4.3								
	2450MHz	4.5	3.6	3.3						