

BeRex Cross Reference Guide

株式会社ネットウエル

	Company	BeRex	W.J		Sirenza			Prewell	Mini Circuits		
	Part Number	BG18D	ECG001B	ECG005	SGA-5589	SGA-6589	SGC-6489Z	PS404	Gali 24+	Gali 84+	
Product Description	Category	Gain Block	Gain Block	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	SiGe HBT	InGap HBT	InGap HBT	InGap HBT	
	Data sheet version	Preliminary	Finished	Finished	Finished	Finished	Finished	Finished	Finished	Finished	
	Package	SOT89	SOT89	SOT89	SOT89	SOT89	SOT89	SOT89	SOT89	SOT89	
	Matching Circuit	Internally Matched	Internally Matched	Internally Matched	Internally Matched	Internally Matched	Internally Matched	Internally Matched	Internally Matched	Internally Matched	
Typical Performance	Vcc(V)	5	3.4	4.8	3.9	4.9	5	3.64	5.8	5.8	
	Icc(mA)	83	30	65	60	80	85	59	80	100	
	ESD	Class 1C	Class 1A	Class 1A	?	?	Class 1C	Class 2	Class 1C	Class 1C	
	MSL	MSL1	MSL3	MSL3			MSL1	MSL3	MSL1	MSL1	
	Gain	500MHz	24.5						24	25.3	25.6
		900MHz	23.4	22.4	22.2	23.8	25.2	22.2	22.4	22.6	22.7
		1900MHz	22.7	21.4	21.5	20.3	19.8	19.5	19.7	19.1	19.2
		2140MHz		21	21.3						
		2450MHz	21.3	20.7		18.9	18.2	18.3	18.2		
	P1	500MHz	19.5						16	19.3	21.9
		900MHz	19.5	12.6	18	18.2	21.5	20.6	15	19.2	21.5
		1900MHz	19	12.6	17.5	16.2	19	19.2	13	19.4	21.2
		2140MHz		12.6	19			19			
		2450MHz	17.3	12.8		15.1	17.8	18.4	11		
	OIP3(dBm)	500MHz	36						32.5	33.8	37.6
		900MHz	35	24.8	34	32.9	32.5	34.1	29.2	35	37.8
		1900MHz	32	26	32	29.2	32	32.8	24.3	36.3	38
		2140MHz		25.6	30.5			32.7			
		2450MHz	30.5	25.4		27.7	30.3	31.4	22.2		
	S11	500MHz	-11.3						-19	21.6	25.8
		900MHz	-17.5	-42	-25.0	15.7	15.6	-19.0	-17	20.4	21.2
		1900MHz	-25.6	-35	-20.0	13.7	13.1	-18.0	-17	17.5	18.0
		2140MHz		-29	-18.0			-18.0			
		2450MHz	-28.0	-28		12.8	12	-17.0	-16		
	S22	500MHz	-14.5						-16	18.5	16.3
		900MHz	-27.0	-24	-18.0	27.1	11.4	-19.0	-22	11.5	11.0
		1900MHz	-19.0	-18	-11.0	25.2	9.2	-11.0	-12	9.1	8.9
2140MHz			-17	-10.0			-11.0				
2450MHz		-15.4	-16		23.9	9.4	-10.0	-10			
NF(dB)	500MHz	4.2						2.1	4.2	4.2	
	900MHz	4.2	3.4	3.4	3	2.5	2.1	2.3	4.3	4.4	
	1900MHz	4.3	3.4	3.3	3.4	2.9	2.4	2.4	4.2	4.4	
	2140MHz		3.4	3.8			2.4				
	2450MHz	4.5	3.4		3.6	3.3	2.5	2.5			