

BeRex Cross Reference Guide

株式会社ネットウエル

Product Description	Company	BeRex	Sirenza			Prewell				ASB	
	Part Number	BG20A	SGA-5589	SGC-6489Z	SGA-7489	PS303	PS305	PS403	PS404	ASW318	
	Category	IF AMP	Gain Block	Gain Block	Gain Block	Gain Block	Gain Block	IF Gain Block	Gain Block	IF AMP	
	Material	InGap/GaAs HBT	SiGe HBT	SiGe HBT	silicon	InGap HBT	InGap HBT	InGap HBT	InGap HBT		
	Data sheet version	Finished	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		
Typical Performance	Vcc(V)	5	3.9	5	5	3.46	3.5	3.51	3.64	5	
	Icc(mA)	90	60	85	115	45	45	60	59	150	
	ESD	Class 1C	?	90	?	Class 2	Class 2	Class 2	Class 2		
	MSL	MSL1		MSL1		MSL3	MSL3	MSL3	MSL3		
	Gain	70MHz	23.9	25	23.1	23	23.5	24.1	24.2	24.2	24.7
		140MHz	23.8					24		24.2	
		250MHz	23.7				23.3	23.8	24	23.9	
		500MHz	23.1	24.7	22.7	22.5	22.5	23.4	23.2	23.4	
		800MHz									
	P1	70MHz	20.5		21.8	22.8	15	15.5	16	16.5	23.5
		140MHz	20.5					15.6		16.5	
		250MHz	20.5				15	15.5	16	16.4	
		500MHz	20.5	17.9	20.9	22.6	15	15.4	15.8	16.4	
		800MHz									
	OIP3(dBm)	70MHz	39		35.1	39	30	30.5	32.5	32.8	41
		140MHz	37					30.9		33.6	
		250MHz	37				29	31.3	31.5	32.9	
		500MHz	36	31.6	34.3	36.5	27.5	29.5	28.5	31.3	
		800MHz									
	S11	70MHz	-19.5	-18.9	-37.0	-13.5	-12	-28	-12	-20	-15
		140MHz	-21.2					-35		-21	
		250MHz	-22.0				-13	-22	-113	-18	
		500MHz	-26.0	-17.5	-22.0	-14.5	-14	-18	-14	-16	
		800MHz									
	S22	70MHz	-12.5	-27.1	-23.0	-19.5	-13	-24	-13	-17	-18
		140MHz	-13.0					-29		-18	
		250MHz	-13.0				-14	-21	-13	-17	
		500MHz	-12.0	-27.1	-22.0	-17.0	-14	-18	-10	-15	
800MHz											
NF(dB)	70MHz	3.4		1.8	2.7	2.1	2.0	2.0	2.0	8.0	
	140MHz	3.4					2.1		2.0		
	250MHz	3.5				2.1	2.3	2.1	2.2		
	500MHz	3.6	2.8	2.0	2.7	2.2	2.3	2.2	2.3		
	800MHz										