

BeRex Cross Reference Guide

株式会社ネットウエル

	Company	BeRex	Sirenza	Prewell	Mini Circuits	Mimix	
Product Description	Part Number	BIF5	SGC-6389	PW350	MRA-1SM	CMM6003	
	Category	IF AMP	Gain Block	Gain Block	Gain Block	Linear Driver	
	Material	InGap/GaAs HBT	SiGe HBT	InGap HBT	InGap HBT	GaAs MESFET	
	Data sheet version	Finished	Finished	Finished	Finished	Finished	
	Package	SOT89	SOT89	SOT89	WW107(SOT86)	SOT89	
	Matching Circuit	Internally Matched	Internally Matched	Internally Matched	Internally Matched	External Matching	
Typical Performance	Vcc(V)	5	5	4.84	5	5	
	Icc(mA)	107	85	58	17	150	
	ESD	Class 1C	Class 1C	Class 2	Class 1B	?	
	MSL	MSL1	MSL1	MSL3	MSL1		
	Gain	70MHz	17.5	17.5	16.9	17.8	
		140MHz	17.5	16.7	16.7		17.5
		250MHz	17.5	13.1	16.4		
		500MHz	17.5				17.2
		800MHz			15.9	16.5	16.3
	P1	70MHz	20.5	19.7	18.5	2.5	
		140MHz	20.5	19.5	17.6		23
		250MHz	20.5	18.6	16.5		
		500MHz	21				23.6
		800MHz			15.7		23.8
	OIP3(dBm)	70MHz	43	35.7	33.5	14	
		140MHz	42.5	35.8	33.5		40
		250MHz	41	34.6	30.5		
		500MHz	40				39
		800MHz			29		37
	S11	70MHz	-15.8	10	-18	18	
		140MHz	-15.4	14.6	-18.0		-12
		250MHz	-15.4	12.6	-30.0		
		500MHz	-14.1				-12
		800MHz			-25.0		-11
	S22	70MHz	-17.1	12.9	-12.0	21.0	
		140MHz	-19.1	16.2	-16.0		-16
		250MHz	-26.3	11.7	-10.0		
		500MHz	-16.1				-16
		800MHz			-9.0		-13
	NF(dB)	70MHz	4.0	2.9	3.2	3.3	
		140MHz	4.1	3.2	3.3		3.5
		250MHz	4.2	4	3.5		
500MHz		4.3				1.6	
800MHz				3.6		2	