

BeRex Cross Reference Guide

株式会社ネットウエル

Product Description	Company		BeRex	W.J	Sirenza	Prewell		
	Part Number		BG17C	WJA-1025	SBB-3089	PW250	PW350	
Product Description	Category		Gain Block	Gain Block	Gain Block	Gain Block	Gain Block	
	Material		InGap/GaAs HBT	InGap/GaAs HBT	InGap HBT	InGap HBT	InGap HBT	
	Data sheet version		Finished	Finished	Finished	Finished	Finished	
	Package		SOT89	SOT89	SOT89	SOT89	SOT89	
	Matching Circuit		Internally Matched	Internally Matched	Internally Matched	Internally Matched	Internally Matched	
	Typical Performance	Vcc(V)		5	5	4.2	4.78	4.84
Icc(mA)		55	60	42	46	58		
ESD		Class 1C	Class 1C	Class 1C	Class 2	Class 2		
MSL		MSL1	MSL3	MSL1	MSL3	MSL3		
Gain		70MHz		20.4		17	19	16.9
		900MHz		17.8	18.1	16.8	18.5	16.7
		1900MHz		16.4	16.5	16.7	17.4	16.4
		2140MHz		16.2	16	16.7		
		2450MHz		15.6		16.7	16.4	15.9
P1		70MHz		17.8		15.6	16.5	18.5
		900MHz		17.5	17.1	15.4	16	17.6
		1900MHz		17	15.1	15.2	16	16.5
		2140MHz		17	14.7	15.1		
		2450MHz		16.1		15.3	16.5	15.7
OIP3(dBm)		70MHz		34		29.8	30.5	33.5
		900MHz		31	32.8	29.7	30	33.5
		1900MHz		30	31.4	29.8	30	30.5
		2140MHz		30	31.1	29.3		
		2450MHz		29		29.4	29.5	29
S11		70MHz				-21.5	-17	-18
		900MHz		-14.0	-17.0	-26.0	-16.0	-18.0
		1900MHz		-24.0	-18.0	-22.5	-20.0	-30.0
		2140MHz		-16.0	-17.0	-21.5		
		2450MHz		-14.0		-21.0	-16.0	-25.0
S22		70MHz				-20.5	-12.0	-12.0
		900MHz		-22.0	-14.0	-26.0	-17.0	-16.0
		1900MHz		-12.0	-9.5	-30.0	-13.0	-10.0
		2140MHz		-11.0	-9.9	-31.0		
		2450MHz		-10.0		-31.0	-11.0	-9.0
NF(dB)		70MHz		3.8		3.7	3.3	3.2
	900MHz		3.9	5.3	3.9	3.3	3.3	
	1900MHz		4.0	6	3.9	3.3	3.5	
	2140MHz		4	6.5	3.9			
	2450MHz		4.2		3.9	3.4	3.6	