

BeRex Cross Reference Guide

株式会社ネットウエル

Product Description	Company	BeRex	W.J		Prewell		Mini-Circuits	Hittite	Mimix	
	Part Number	BT05VG	AH110	AH1	PH230	PH330	Gali 84+	HMC 636	CMM6004	
	Category	HIGH OIP3	Linearity amp	Linearity amp	Linearity amp	Linearity amp	Gain Block	Gain Block	Linear Driver	
	Material	InGap/GaAs HBT	InGap HBT	laAs HBT	InGap HBT	InGap HBT	InGap HBT	GaAs PHEMT	GaAs MESFET	
	Data sheet version	Finished	Finished	Finished	Finished	Finished	Finished	Finished	Finished	
	Package	SOT89	SOT89	SOT89	SOT89	SOT89	SOT89	SOT89	SOT89	
	Matching Circuit	External Matching	External Matching	External Matching	External Matching	External Matching	Internally Matched	Internally Matched	External Matching	
Typical Performance	Vcc(V)	5	5	5	5	5	5.8	5	5	
	Icc(mA)	85	100	150	82	110	100	155	150	
	ESD	Class 1B	Class 1A	Class 1B	Class 1C	Class 1C	Class 1C	Class 1A	?	
	MSL	MSL1	MSL3	MSL3	MSL3	MSL3	MSL1	MSL1		
	Gain	70MHz	23.4					25.6		
		900MHz	20.6	20.5	14.2		18.5	22.7	13	16.5
		1900MHz	18	17.6	12.2	17.2	14.5	19.2	11	14.5
		2140MHz	16.5		12					
		2450MHz	15		11				10	13.6
	P1	70MHz						21.9		
		900MHz		22.8	21.7		22.5	21.5	22	23.8
		1900MHz	22.5	23	22	22.5	22.5	21.2		23.5
		2140MHz	22.5		22					
		2450MHz	23.5		22				23	23
	OIP3(dBm)	70MHz						37.6		
		900MHz		39	42		41	37.8	39	41.5
		1900MHz	39	38	41	38	41.5	38		41
		2140MHz	39		40					
		2450MHz	39		40				39	41
	S11	70MHz						25.8		
		900MHz		-20	-21		-10	21.2	-10.0	-18
		1900MHz	-18.0	-17	-14	-16	-12	18.0	-10.0	-15
		2140MHz	-35.0		-21				-10	
		2450MHz	-12.0		-25				-10	-15
	S22	70MHz						16.3		
		900MHz		-9.5	-14		-10	11.0	-13	-14
		1900MHz	-30.0	-7.4	-13	-12	-12	8.9	-13	-10
		2140MHz	-30.0		-11				-15	
2450MHz		-13.0		-14				-15	-12	
NF(dB)	70MHz						4.2			
	900MHz		5.2	3.2		3.7	4.4	2.5	1.8	
	1900MHz	4.6		3.3	3.2	3	4.4	2.5	2.2	
	2140MHz	5		3.3				2		
	2450MHz	4.6		3.7				2	2.3	

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