

BeRex Cross Reference Guide

株式会社ネットウエル

	Company	BeRex	W.J	Prewell	Hittite	
<b>Product Description</b>	Part Number	BT05AG	AH110	PH230	HMC 636	
	Category	HIGH OIP3	Linearity amp	Linearity amp	Gain Block	
	Material	InGap/GaAs HBT	InGap HBT	InGap HBT	GaAs PHEMT	
	Data sheet version	Finished	Finished	Finished	Finished	
	Package	SOT89	SOT89	SOT89	SOT89	
	Matching Circuit	External Matching	External Matching	External Matching	Internally Matched	
<b>Typical Performance</b>	Vcc(V)	5	5	5	5	
	Icc(mA)	85	100	82	155	
	ESD	Class 1B	Class 1A	Class 1C	Class 1A	
	MSL	MSL1	MSL3	MSL3	MSL1	
	Gain	70MHz	24.3			
		900MHz	20.8	20.5		13
		1900MHz	16.3	17.6	17.2	11
		2140MHz	15.3			
		2450MHz	14.3			10
	P1	70MHz	23			
		900MHz	22.4	22.8		22
		1900MHz	19.5	23	22.5	
		2140MHz				
		2450MHz	23			23
	OIP3(dBm)	70MHz	38			
		900MHz	37	39		39
		1900MHz	40	38	38	
		2140MHz				
		2450MHz	37.5			39
	S11	70MHz				
		900MHz	-14.0	-20		-10.0
		1900MHz	-20.0	-17	-16	-10.0
		2140MHz				-10
		2450MHz	-22.0			-10
	S22	70MHz				
		900MHz	-12.0	-9.5		-13
		1900MHz	-12.0	-7.4	-12	-13
		2140MHz				-15
2450MHz		-12.0			-15	
NF(dB)	70MHz	4.6				
	900MHz	4.5	5.2		2.5	
	1900MHz	4.4		3.2	2.5	
	2140MHz				2	
	2450MHz	4.3			2	

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