

BeRex Cross Reference Guide

株式会社ネットウエル

Product Description	Company	BeRex	AVAGO			Hittite	
	Part Number	BL011	MGA53543	MGA53589	MGA61563	HMC618	
	Category	Wide band LNA	high Liner amp	high Liner amp	LNA	LNA	
	Material	GaAs/ EPHEMT	GaAs/PHEMT	GaAs/PHEMT	GaAs/PHEMT	GaAs / PHEMT	
	Data sheet version	Finished	Finished	Finished	Finished	Finished	
	Package	SOT89	SOT343	SOT89	SOT343	QFN 3x3	
	Matching Circuit	External Matching	External Matching	External Matching	External Matching	Internal Matching	
Typical Performance	Vcc(V)	5	3 to 5	3 to 5	3 to 5	3 to 5	
	Icc(mA)	75	54	52	41	47 to 117	
	ESD	Class 1A	Class 1A	Class 1A	Class A	?	
	MSL	MSL1				MSL1	
	Gain	70MHz					
		900MHz	22	17.4	18.2	19.3	
		1900MHz	17	15.4	15.8	15.5	19
		2140MHz	16.5			15.5	17
		2450MHz	15.5	15.1	15.3		
	P1	70MHz					
		900MHz	20.5	19.3	18.6	15.4	
		1900MHz	20.5	18.6	18.2	15.1	20
		2140MHz	20.5				20
		2450MHz	20	18.3	17.6		
	OIP3(dBm)	70MHz					
		900MHz	33.5	39.7	36.8	30.5	
		1900MHz	36	39.1	37	31.7	35
		2140MHz	35.5				36
		2450MHz	38	38.7	37.2		
	S11	70MHz					
		900MHz	-19.0	-11.1	-13.6		
		1900MHz	-24.0	-13.2	-14.4		18.0
		2140MHz	-24.0				19.5
		2450MHz	-19.5	-12.7	-11.6		
	S22	70MHz					
900MHz		-15.0	-14.4	-20.3			
1900MHz		-15.5	-14.3	-15.7		12.5	
2140MHz		-21.5				9.5	
2450MHz		-15.5	-25.1	-14.1			
NF(dB)	70MHz						
	900MHz	0.91	1.3	1.24	0.9		
	1900MHz	1.13	1.5	1.66	1.0	0.75	
	2140MHz	1.17			1.0	0.85	
	2450MHz	1.30	1.9	1.61	1.3		