

Non-Catalog Model

Frequency Mixer

LMX-148

Level 10 (LO Power +10 dBm)

Important Note

This is a non-catalog model and can be manufactured on specific request. Pricing and delivery information can be supplied upon request.



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CASE STYLE : BB48

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency	LO (fL to fU)	10		1500	MHz
	RF (fL to fU)	10		1500	MHz
	IF	0		1500	MHz
Conversion Loss	mid band		6.5	7.5	dB
	Total Range			10.0	dB
LO-RF Isolation	Low Range	40	45		dB
	Mid Range	30	35		dB
	Upper Range	20	25		dB
LO-IF Isolation	Low Range	35	40		dB
	Mid Range	25	35		dB
	Upper Range	12	20		dB
1 dB Comp. Input Power			+5		dBm

Notes: Low Range = [fL to 10fL] Mid Range = [10fL to fU/2] Upper Range = [fU/2 to fU]
mid band = [2fL to fU/2]

Phase detection, positive polarity

MAXIMUM RATINGS	
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power	50mW
IF Current	40mA

PIN CONNECTIONS	
LO	8
RF	5
IF	4
GROUND	1, 2, 3, 6, 7

Electrical Schematics

