

## Non-Catalog Model

# Frequency Mixer

## Level 7 (LO Power +7 dBm)

# LMX-149

### 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
<b>Frequency</b>	<b>LO</b> (fL to fU)	10		1500	MHz
	<b>RF</b> (fL to fU)	10		1500	MHz
	<b>IF</b>	0		1500	MHz
<b>Conversion Loss</b>	<b>mid band</b>			7.0	dB
	<b>Total Range</b>			9.0	dB
<b>LO-RF Isolation</b>	<b>Low Range</b>	40	55		dB
	<b>Mid Range</b>	35	45		dB
	<b>Upper Range</b>	20	30		dB
<b>LO-IF Isolation</b>	<b>Low Range</b>	40	50		dB
	<b>Mid Range</b>	25	40		dB
	<b>Upper Range</b>	12	20		dB
<b>1 dB Comp. Input Power</b>			+1		dBm

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

Mid Range = [10fL to fU/2]

Upper Range = [fU/2 to fU]

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

PIN CONNECTIONS	
<b>LO</b>	8
<b>RF</b>	5
<b>IF</b>	4
<b>GROUND</b>	1, 2, 3, 6, 7

### Electrical Schematics

