

## Non-Catalog Model

# Frequency Mixer

# LMX-123MH

Level 13 (LO Power +13 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		2500	MHz
	RF (fL to fU)	10		2500	MHz
	IF	10		500	MHz
Conversion Loss	mid band			8.5	dB
	Total Range			9.6	dB
LO-RF Isolation	Low Range	22	42		dB
	Mid Range	20	35		dB
	Upper Range	20	28		dB
LO-IF Isolation	Low Range	20	33		dB
	Mid Range	20	36		dB
	Upper Range	15	36		dB
1 dB Comp. Input Power			+9		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	
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power	200mW
IF Current	40mA

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

### Electrical Schematics

