

Non-Catalog Model

Active Frequency Mixer

UNCL-X1MH

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 : A01

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency	LO (fL to fU)	1		500	MHz
	RF (fL to fU)	1		500	MHz
	IF	10		500	MHz
Conversion Loss	mid band	0.5	2.4		dB
	Total Range	0.0			dB
LO-RF Isolation	Low Range	40	60		dB
	Mid Range	25	35		dB
	Upper Range	20	30		dB
LO-IF Isolation	Low Range	30	50		dB
	Mid Range	18	25		dB
	Upper Range	14	18		dB
1 dB Comp. Input Power			+7		dBm
Supply Voltage			12		V
Operating Current			60		mA

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

Mid Range = [10fL to fU/2]

Upper Range = [fU/2 to fU]

DC power is applied at pin 4.

Hermetically sealed.

Load insensitive

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	7
RF	8
IF	1
DC	4
GROUND	3, 5, 6
NOT USED	2

Electrical Schematics

