

Non-Catalog Model

Active Frequency Mixer

Level 7 (LO Power +7 dBm)

UNCL-X1

Important Note

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



Please click "Back", and then click "Contact Us" for Applications support.

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	-1.0	1.6		dB
	Total Range	-1.0			dB
LO-RF Isolation	Low Range	40	60		dB
	Mid Range	25	30		dB
	Upper Range	20	25		dB
LO-IF Isolation	Low Range	30	50		dB
	Mid Range	20	30		dB
	Upper Range	18	26		dB
1 dB Comp. Input Power			+1		dBm
Supply Voltage			12		V
Operating Current			36		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	50mW
IF Current	40mA

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

Electrical Schematics

