## **Active Frequency Mixer**

**UNCL-X1** 

Level 7 (LO Power +7 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.



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

**CASE STYLE: A01** 

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C						
Parameter		Min.	Тур.	Max.	Units	
Frequency	LO (fL to fU)	1		500	MHz	
	<b>RF</b> (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	
	<b>Upper Range</b>	20	25		dB	
LO-IF Isolation	Low Range	30	50		dB	
	Mid Range	20	30		dB	
	<b>Upper Range</b>	18	26		dB	
1 dB Comp. Input Power			+1		dBm	
Supply Voltage			12		V	
Operating Current			36		mA	

DC power is applied at pin 4. Hermetically sealed.

Load insensitive

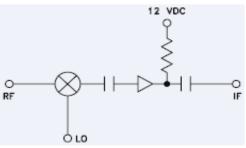
otes: Low Range = [fL to 10fL]	Mid Range = [10fL to fU/2]
mid band = $[2f]$ to $fU/2$	

Upper Range = [fU/2 to fU]

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

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

## **Electrical Schematics**



Page 1 of 1