## Engineering Development Model

## **Frequency Mixer**

## TUF-ED12914/3

Level 13 (LO Power + 13 dBm)

## **Important Note**

This model has been designed, built and tested in our engineering department. Performance data represents model capability. At present it is a non-catalog model. On request, we can supply a final specification sheet, part number and price/delivery information.



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

**CASE STYLE: NNN150** 

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Тур.	Max.	Units
Frequency	<b>LO</b> (f∟ to f∪)	10		400	MHz
	<b>RF</b> (f∟ to f∪)	10		400	MHz
	IF	10		400	MHz
Conversion Loss	mid band		4.8		dB
	Total Range		5.1		dB
LO-RF Isolation	Low Range		53		dB
	Mid Range		46		dB
	<b>Upper Range</b>		45		dB
LO-IF Isolation	Low Range		50		dB
	Mid Range		44		dB
	<b>Upper Range</b>		36		dB
Input IP3			+19		dBm
1 dB Compression			+8		dBm

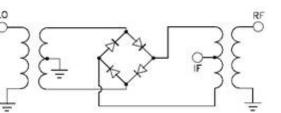
**Note:** Low Range = [fL to 10fL] mid band = [2fL to fU/2]

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	

PIN CONNECTIONS				
LO	4			
RF	1			
IF	2			
GROUND	3			
CASE GROUND	3			



**Electrical Schematics**