## Engineering Development Model

## **Frequency Mixer**

## TUF-ED12914/1

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	L SPECIFICATION	S 50Ω @ +25°C	;	
Parameter		Min.	Тур.	Max.	Units
Frequency	LO (fL to fU)	5		600	MHz
	<b>RF</b> (f∟ to f∪)	5		600	MHz
	IF	.3		600	MHz
Conversion Loss	mid band		6		dB
	Total Range		7		dB
LO-RF Isolation	Low Range		53		dB
	Mid Range		45		dB
	<b>Upper Range</b>		37		dB
LO-IF Isolation	Low Range		51		dB
	Mid Range		43		dB
	<b>Upper Range</b>		34		dB
Input IP3			+20		dBm
1 dB Compression			+4		dBm

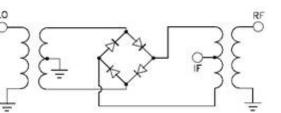
**Note:** Low Range = [fL to 10fL] mid band = [2fL to fU/2]

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**