## **Frequency Mixer**

## TUF-ED12916/2

Level 7 (LO Power + 7 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	<b>LO</b> (f∟ to f∪)	10		1230	MHz
	<b>RF</b> (f∟ to f∪)	10		1230	MHz
	IF	10		1000	MHz
Conversion Loss	mid band		6.07		dB
	Total Range		6.6		dB
LO-RF Isolation	Low Range		60		dB
	Mid Range		49		dB
	<b>Upper Range</b>		43		dB
LO-IF Isolation	Low Range		52		dB
	Mid Range		43		dB
	<b>Upper Range</b>		34		dB
Input IP3			+15		dBm
1 dB Compression			+1		dBm

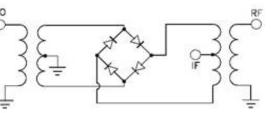
**Note:** Low Range = [fL to 10fL] mid band = [2fL to fU/2]

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**