## **Frequency Mixer**

## TUF-ED12915/4

Level 10 (LO Power + 10 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∪)	20		1500	MHz
	<b>RF</b> (f∟ to f∪)	20		1500	MHz
	IF	10		650	MHz
Conversion Loss	mid band		6.3		dB
	Total Range		6.9		dB
LO-RF Isolation	Low Range		54		dB
	Mid Range		47		dB
	<b>Upper Range</b>		42		dB
LO-IF Isolation	Low Range		32		dB
	Mid Range		25		dB
	<b>Upper Range</b>		19		dB
Input IP3			+12		dBm
1 dB Compression			+5		dBm

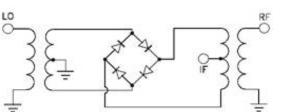
**Note:** Low Range = [fL to 10fL] mid band = [2fL to fU/2]

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**