Engineering Development Model

Frequency Mixer

TUF-ED12914/4

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.





CASE STYLE: NNN150

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Тур.	Max.	Units
Frequency	LO (f∟ to f∪)	20		1500	MHz
	RF (f∟ to f∪)	20		1500	MHz
	IF	10		1000	MHz
Conversion Loss	mid band		6.5		dB
	Total Range		7		dB
LO-RF Isolation	Low Range		50		dB
	Mid Range		41		dB
	Upper Range		35		dB
LO-IF Isolation	Low Range		38		dB
	Mid Range		28		dB
	Upper Range		20		dB
Input IP3	-		+17		dBm
1 dB Compression			+9	_	dBm

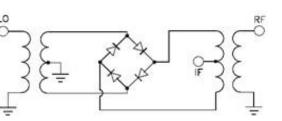
Note: Low Range = [fL to 10fL] mid band = [2fL to fU/2]

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