Engineering Development Model

Frequency Mixer TUF-ED12599/1

Level 17 (LO Power + 17 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.

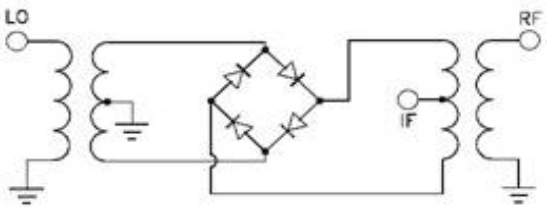
CASE STYLE : NNN150

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		**Min.**	**Typ.**	**Max.**	**Units**
Frequency	**LO** (fL to fU)	40		1600	MHz
	RF (fL to fU)	40		1600	MHz
	IF	10		500	MHz
Conversion Loss	**mid band**		6.6		dB
	Total Range		7.4		dB
LO-RF Isolation	**Low Range**		73		dB
	Mid Range		53		dB
	Upper Range		48		dB
LO-IF Isolation	**Low Range**		36		dB
	Mid Range		27		dB
	Upper Range		21		dB
Input IP3			+21		dBm
1 dB Compression			+14		dBm

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

MAXIMUM RATINGS	
Operating Temperature	-40°C TO +85°C
Storage Temperature	-55°C TO +100°C

Electrical Schematics



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