

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.



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CASE STYLE : NNN150

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency	LO (f _L to f _u)	40		1600	MHz
	RF (f _L to f _u)	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

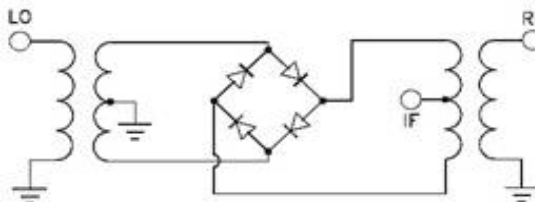
Note: Low Range = [f_L to 10f_L]
mid band = [2f_L to f_u/2]

Mid Range = [10f_L to f_u/2]

Upper Range = [f_u/2 to f_u]

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

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IF/RF MICROWAVE COMPONENTS

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