

Frequency Mixer

SYM-ED14497/1

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 : TTT167

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency	LO (fL to fu)	40		775	MHz
	RF (fL to fu)	10		745	MHz
	IF	DC		400	MHz
Conversion Loss	mid band		7.8		dB
	Total Range		8.2		dB
LO-RF Isolation	Low Range		60		dB
	Mid Range		55		dB
	Upper Range		48		dB
LO-IF Isolation	Low Range		48		dB
	Mid Range		45		dB
	Upper Range		40		dB
Input IP3			+29		dBm
1 dB Compression			+14		dBm

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

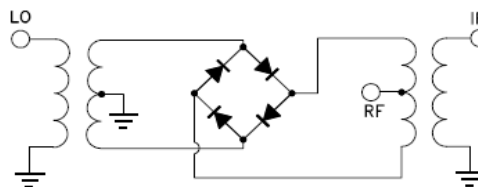
Mid Range = [10fL to fu/2]

Upper Range = [fu/2 to fu]

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

PIN CONNECTIONS	
LO	2
RF	1
IF	3
GROUND	4,5,6

Electrical Schematic



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 • Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site
The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com



IF/RF MICROWAVE COMPONENTS



REV. X1
SYM-ED14497/1
4/26/2012
Page 1 of 1