

Frequency Mixer

SYMX-ED14502/1

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 : TTT166

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency	LO (f _L to f _u)	40		900	MHz
	RF (f _L to f _u)	10		870	MHz
	IF	DC		300	MHz
Conversion Loss	mid band		7.5		dB
	Total Range		8.3		dB
LO-RF Isolation	Low Range		50		dB
	Mid Range		45		dB
	Upper Range		40		dB
LO-IF Isolation	Low Range		50		dB
	Mid Range		46		dB
	Upper Range		45		dB
Input IP3			+28		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

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

Electrical Schematic

