

Frequency Mixer

SYM-ED17165/1

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 (f_L to f_U)	40		2530	MHz
	RF (f_L to f_U)	10		2500	MHz
	IF	10		1500	MHz
Conversion Loss	Mid Band		6.5		dB
	Total Range		7.3		
LO-RF Isolation	Low Range		43		dB
	Mid Range		37		dB
	Upper Range		28		dB
LO-IF Isolation	Low Range		43		dB
	Mid Range		38		dB
	Upper Range		31		dB
Input IP3			+25		dBm
1 dB Compression			+14		dBm

Note: Low Range = $[f_L \text{ to } 10f_L]$

Mid Range = $[10f_L \text{ to } f_U/2]$

Upper Range = $[f_U/2 \text{ to } f_U]$

Mid band = $2f_L \text{ to } f_U/2$

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

