

## Non-Catalog Model

# Frequency Mixer

# SYM-25H

## Level 17 (LO Power +17 dBm)

### Important Note

This is a non-catalog model and can be manufactured on specific request. Pricing and delivery information can be supplied upon request.



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**CASE STYLE : TTT167**

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
<b>Frequency</b>	<b>LO</b> (fL to fU)	10		2400	MHz
	<b>RF</b> (fL to fU)	10		2400	MHz
	<b>IF</b>	1		1100	MHz
<b>Conversion Loss</b>	<b>mid band</b>		6.1	8.5	dB
	<b>Total Range</b>			9.2	dB
<b>LO-RF Isolation</b>	<b>Low Range</b>	20	38		dB
	<b>Mid Range</b>	20	40		dB
	<b>Upper Range</b>	18	30		dB
<b>LO-IF Isolation</b>	<b>Low Range</b>	40	54		dB
	<b>Mid Range</b>	22	40		dB
	<b>Upper Range</b>	20	33		dB
<b>IP3 Input</b>			+25		dBm
<b>1 dB Comp. Input Power</b>			+10		dBm

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

Units are non-hermetic.

MAXIMUM RATINGS	
<b>Operating Temperature</b>	-40°C to 85°C
<b>Storage Temperature</b>	-55°C to 100°C
<b>RF Power</b>	200mW
<b>IF Current</b>	40mA

PIN CONNECTIONS	
<b>LO</b>	3
<b>RF</b>	1
<b>IF</b>	2
<b>GROUND</b>	4, 5, 6

### Electrical Schematics

