

## Non-Catalog Model

# Frequency Mixer

# RMS-1WH

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 : TT240

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency	LO (fL to fU)	10		750	MHz
	RF (fL to fU)	10		750	MHz
	IF	0		750	MHz
Conversion Loss	mid band		7.0	8.5	dB
	Total Range			8.8	dB
LO-RF Isolation	Low Range	40	55		dB
	Mid Range	22	43		dB
	Upper Range	20	28		dB
LO-IF Isolation	Low Range	30	52		dB
	Mid Range	22	38		dB
	Upper Range	20	29		dB
1 dB Comp. Input Power			+14		dBm

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

Mid Range = [10fL to fU/2]

Upper Range = [fU/2 to fU]

Phase detection, positive polarity  
Units are non-hermetic.

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

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

### Electrical Schematics

