

## Non-Catalog Model

# Frequency Mixer

# RMS-2UMH

## Level 13 (LO Power +13 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 : TT100**

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency	LO (fL to fU)	10		1000	MHz
	RF (fL to fU)	10		1000	MHz
	IF	20		500	MHz
Conversion Loss	mid band		7.0	8.5	dB
	Total Range			9.5	dB
LO-RF Isolation	Low Range	40	52		dB
	Mid Range	30	43		dB
	Upper Range	25	33		dB
LO-IF Isolation	Low Range	30	53		dB
	Mid Range	25	44		dB
	Upper Range	22	39		dB
1 dB Comp. Input Power			+9		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

