

E-Series Surface Mount Mixer

5 - 2500 MHz

EMRS-25MH

V3.00

Features

- LO Power: +13 dBm
- Up to +9 dBm RF
- Surface Mount

Specifications @ 25°C

Frequency Range		
RF		5 - 2500 MHz
LO		5 - 2500 MHz
IF		5 - 1500 MHz
Conversion Loss (dB)		
10 - 1250 MHz	Typical 6.3	Maximum 8.5
5 - 2500 MHz	Typical 7.3	Maximum 9.8
Isolation (dB)		
LO to RF	Typical	Minimum
5 - 50 MHz	45	28
50 - 1250 MHz	35	23
1250 - 2500 MHz	30	20
LO to IF		
5 - 50 MHz	40	23
50 - 1250 MHz	30	20
1250 - 2500 MHz	25	17

Operating Characteristics

Impedance	50 Ohms Nominal
RF input for 1dB Compression	+ 9 dBm
DC Polarity	Positive

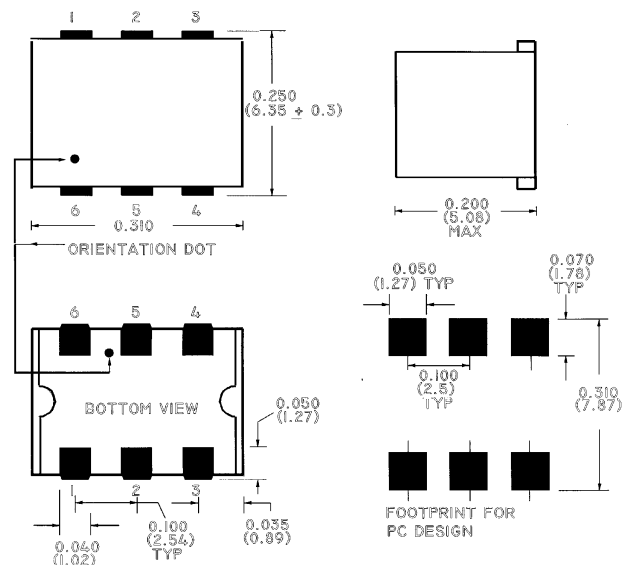
Ordering Information

Part No.	Packaging
EMRS-25MH	Tubes
EMRS-25MHTR	Forward Tape & Reel

Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Power	150 mW
Peak IF Current	40 mA
Storage Temperature	-55°C to 100°C
Operating Temperature	-55°C to 100°C
Pin Temperature (10 Seconds)	260°C

SM-1



Dimensions in () are in mm.
Unless Otherwise Noted: .x = ±0.04 (1.00)
.xx = ±0.02 (0.50)
.xxx = ±0.010 (0.250)

Pin Configuration

Function	Pin No.
LO	1
RF	4
IF	5
Ground	2,3,6

Specifications Subject to Change Without Notice.

S 0740 C

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