E-Series Surface Mount Mixer
5 - 1500 MHz

EMRS-5MH

V3.00

Features

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

Specifications @ 25°C

Frequency Range		
RF		5 - 1500 MHz
LO		5 - 1500 MHz
IF		DC - 1000 MHz
Conversion Loss (dB)	Typical	Maximum
10 - 750 MHz	6.5	7.5
5 - 1500 MHz	7.5	9.5
Isolation (dB)	Typical	Minimum
LO to RF		
5 - 50 MHz	60	40
50 - 750 MHz	40	20
750 - 1500 MHz	30	18
LO to IF		
5 - 50 MHz	55	30
50 - 750 MHz	30	18
750 - 1500 MHz	15	8

Operating Characteristics

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

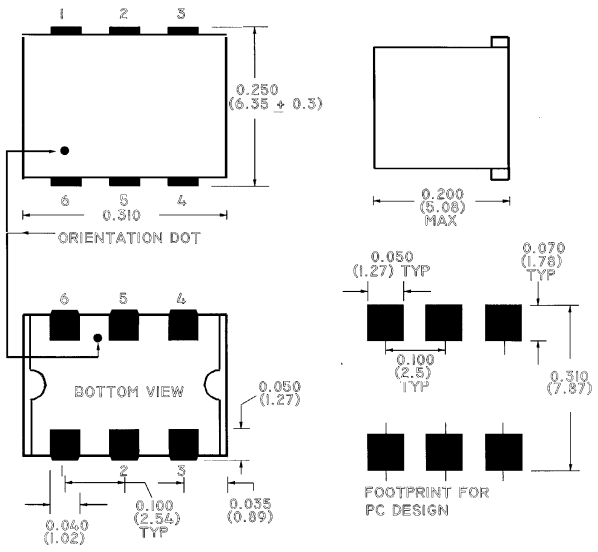
Ordering Information

Part No.	Packaging
EMRS-5MH	Tubes
EMRS-5MHTR	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

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