

E-Series Surface Mount Mixer

5 - 1500 MHz

EMRSL-5MH

V3.00

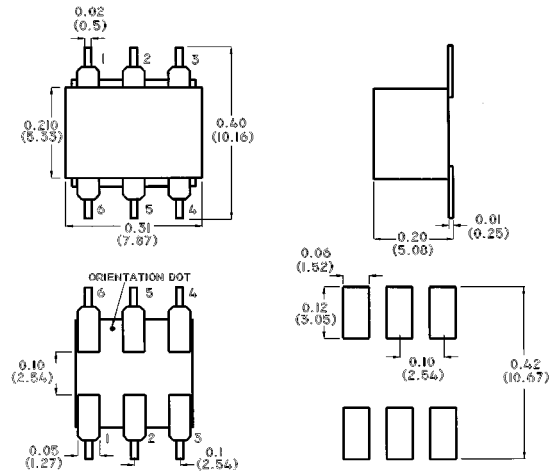
Features

- 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 - 900 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	55	30
50 - 750 MHz	30	18
750 - 1500 MHz	25	15
LO to IF		
5 - 50 MHz	55	30
50 - 750 MHz	30	18
750 - 1500 MHz	15	8

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

Operating Characteristics

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

Ordering Information

Part No.	Packaging
EMRSL-5MH	Tubes
EMRSL-5MHTR	Forward Tape & Reel

Pin Configuration

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

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

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Specifications Subject to Change Without Notice.