

E-Series Surface Mount Mixer

2 - 500 MHz

EMRSL-1LH

V3.00

Features

- LO Power: +10 dBm
- Up to +5 dBm RF

Specifications @ 25°C

Frequency Range		
RF		2 - 500 MHz
LO		2 - 500 MHz
IF		DC - 500 MHz
Conversion Loss (dB)	Typical	Maximum
4 - 250 MHz	5.7	7
2 - 500 MHz	6	8
Isolation (dB)	Typical	Minimum
LO to RF		
2 - 20 MHz	58	45
20 - 250 MHz	44	25
250 - 500 MHz	30	20
LO to IF		
2 - 20 MHz	55	40
20 - 250 MHz	40	25
250 - 500 MHz	28	17

Operating Characteristics

Impedance	50 Ohms Nominal
RF input for 1dB Compression	+5 dBm
DC Polarity	Negative

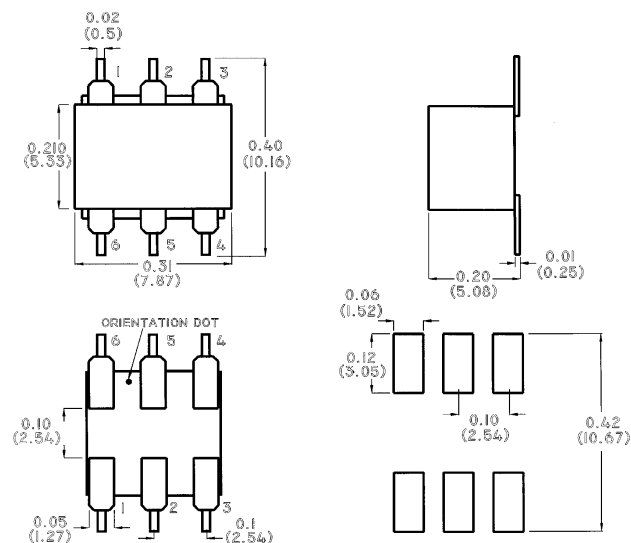
Ordering Information

Part No.	Packaging
EMRSL-1LH	Tubes
EMRSL-1LHTR	Forward Tape & Reel

Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Power	50 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-24



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

*IF pins must be connected together externally.

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