

E-Series Surface Mount Mixer

10 - 1500 MHz

EMRSL-5LH

V3.00

Features

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

Specifications @ 25°C

Frequency Range		
RF		10 - 1500 MHz
LO		5 - 1500 MHz
IF		DC - 900 MHz
Conversion Loss (dB)		Maximum
20 - 750 MHz		8.0
10 - 1500 MHz		9.8
Isolation (dB)	Typical	Minimum
LO to RF		
10 - 100 MHz	58	35
100 - 750 MHz	38	20
750 - 1500 MHz	25	18
LO to IF		
10 - 100 MHz	56	30
100 - 750 MHz	38	14
750 - 1500 MHz	17	6

Operating Characteristics

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

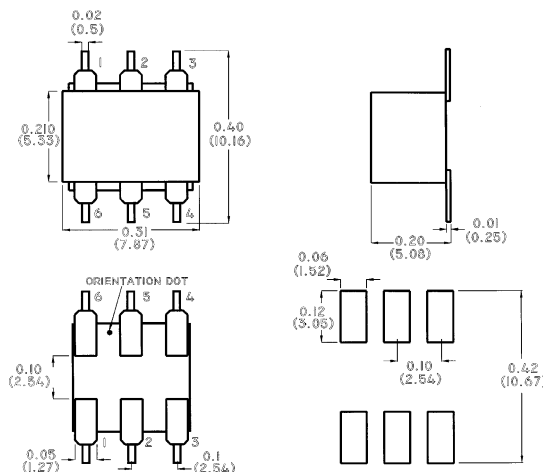
Ordering Information

Part No.	Packaging
EMRSL-5LH	Tubes
EMRSL-5LHTR	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

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