



E-Series Surface Mount Mixer

0.5 - 500 MHz

EMRS-1LH

V3.00

Features

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

Specifications @ 25°C

Frequency Range		
RF		0.5 - 500 MHz
LO		0.5 - 500 MHz
IF		DC - 500 MHz
Conversion Loss (dB)		
	Typical	Maximum
1 - 250 MHz	5.7	7.0
0.5 - 500 MHz	6.0	8.0
Isolation (dB)		
	Typical	Minimum
LO to RF		
0.5 - 5 MHz	58	45
5 - 250 MHz	44	25
250 - 500 MHz		
LO to IF	30	20
0.5 - 5 MHz		
	55	40
5 - 250 MHz		
	40	25
250 - 500 MHz		
	28	17

Operating Characteristics

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

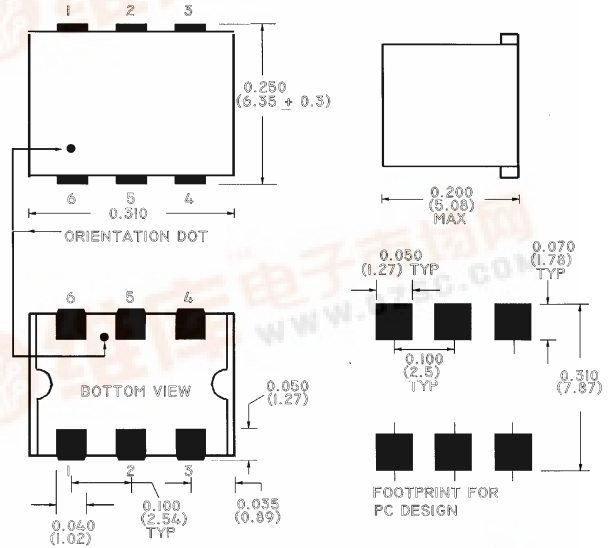
Ordering Information

Part No.	Packaging
EMRS-1LH	Tubes
EMRS-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-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