

E-Series Surface Mount Mixer

1 - 1000 MHz

ESMD-C1LH

V3.00

Features

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

Specifications @ 25°C

Frequency Range		
RF		1 - 1000 MHz
LO		1 - 1000 MHz
IF		DC - 1000 MHz
Conversion Loss (dB)		
1 - 1000 MHz	Typical 6.5	Maximum 9.5
Isolation (dB)		
LO to RF	Typical	Minimum
1 - 10 MHz	60	45
10 - 500 MHz	45	30
500 - 1000 MHz	40	25
LO to IF		
1 - 10 MHz	60	40
10 - 500 MHz	35	23
500 - 1000 MHz	30	15

Operating Characteristics

Impedance	50 Ohms Nominal
RF input for 1dB Compression	+10 dBm

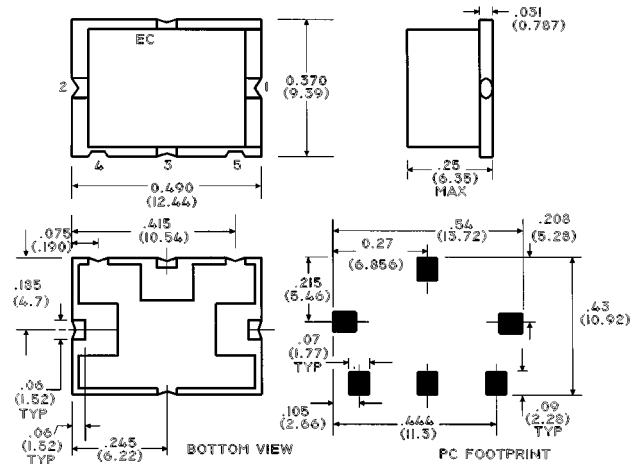
Ordering Information

Part No.	Packaging
ESMD-C1LH	Tube
ESMD-C1LHTR	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-2



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	2
RF	1
IF	3
Ground	4, 5

S 0331 B

Specifications Subject to Change Without Notice.

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