

E-Series Surface Mount Mixer

1 - 1000 MHz

ESMD-C1H

V3.00

Features

- LO Power: +17 dBm
- Up to +14 dBm RF
- Surface Mount

Specifications @ 25°C

Frequency Range		
RF		1 - 1000 MHz
LO		1 - 1000 MHz
IF		DC - 1000 MHz
Conversion Loss (dB)	Typical	Maximum
	2 - 500 MHz	6.5
	1 - 1000 MHz	7.5
Isolation (dB)	Typical	Minimum
	LO to RF	
	1 - 10 MHz	60
	10 - 500 MHz	45
	500 - 1000 MHz	30
	LO to IF	
	1 - 10 MHz	60
	10 - 500 MHz	35
	500 - 1000 MHz	23
		15

Operating Characteristics

Impedance	50 Ohms Nominal
RF input for 1dB Compression	+ 14 dBm

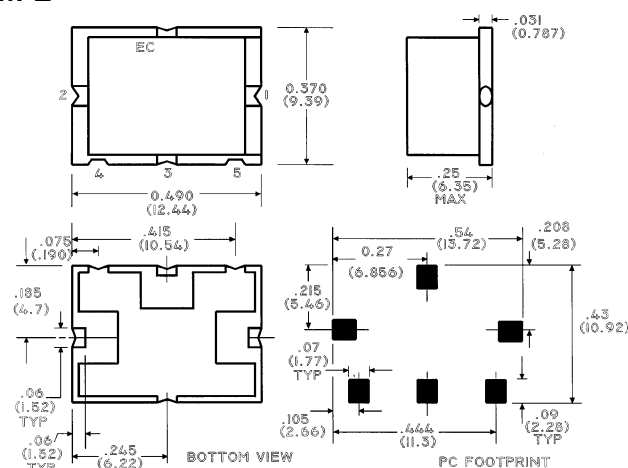
Ordering Information

Part No.	Packaging
ESMD-C1H	Tube
ESMD-C1HTR	Forward Tape & Reel

Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Power	200 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 0882 C