

# E-Series Surface Mount Mixer

## 10 - 2000 MHz

### ESMD-C15

V3.00

#### Features

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

#### Specifications @ 25°C

Frequency Range		
RF		10 - 2000 MHz
LO		10 - 2000 MHz
IF		10 - 800 MHz
Conversion Loss (dB)	Typical	Maximum
20 - 1000 MHz	6.5	8.0
10 - 2000 MHz	6.5	8.5
Isolation (dB)	Typical	Minimum
LO to RF		
10 - 2000 MHz	35	25
LO to IF		
10 - 2000 MHz	30	20

#### Operating Characteristics

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

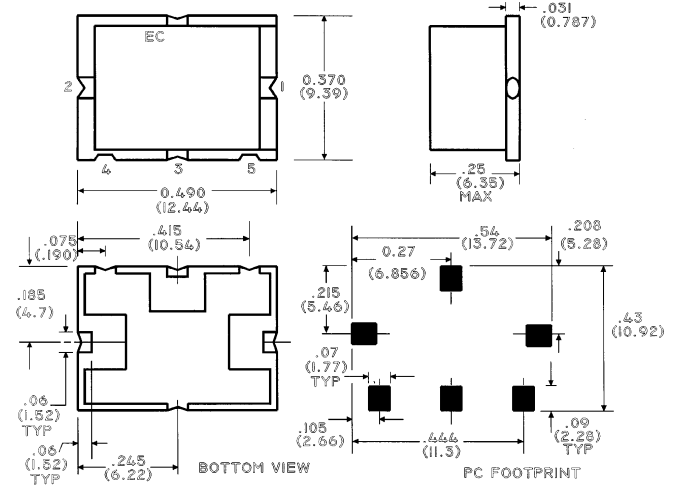
#### Ordering Information

<b>Part No.</b>	<b>Packaging</b>
ESMD-C15	Tube
ESMD-C15TR	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 0146 C

Specifications Subject to Change Without Notice.

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