

E-Series Surface Mount Mixer

50 - 2000 MHz

ESMD-11MH

V3.00

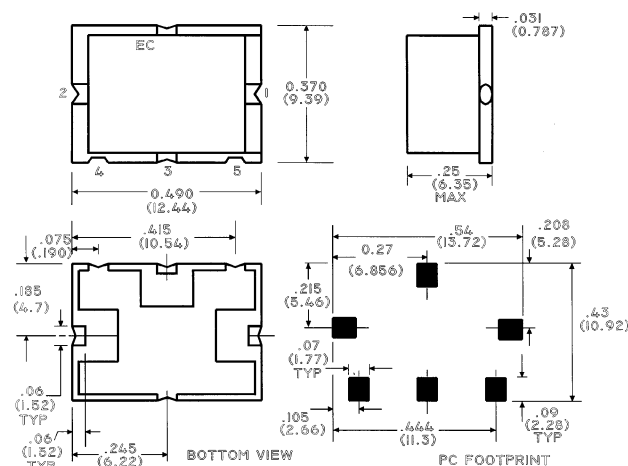
Features

- LO Power: +13 dBm
- Up to +9 dBm RF
- Surface Mount

Specifications @ 25°C

Frequency Range		
RF		50 - 2000 MHz
LO		50 - 2000 MHz
IF		50 - 1000 MHz
Conversion Loss (dB)		
100 - 1000 MHz	Typical	Maximum
	6.6	8.0
50 - 2000 MHz	7.5	9.9
Isolation (dB)		
LO to RF	Typical	Minimum
50 - 500 MHz	55	35
500 - 1000 MHz	44	25
1000 - 2000 MHz	30	20
LO to IF		
50 - 500 MHz	40	25
500 - 1000 MHz	36	20
1000 - 2000 MHz	29	20

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)

Operating Characteristics

Impedance	50 Ohms Nominal
RF input for 1dB Compression	+ 9 dBm

Ordering Information

Part No.	Packaging
ESMD-11MH	Tube
ESMD-11MHTR	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

Pin Configuration

Function	Pin No.
LO	2
RF	1
IF	3
Ground	4,5

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