

E-Series Surface Mount Mixer

5 - 2000 MHz

EMRS-11H, EMRSJ-11H

V3.00

Features

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

Specifications @ 25°C

Frequency Range		
RF		5 - 2000 MHz
LO		5 - 2000 MHz
IF		10 - 600 MHz
Conversion Loss (dB)		
10 - 1000 MHz	Typical	Maximum
5 - 2000 MHz	7.0	8.5
	7.5	9.0
Isolation (dB)		
LO to RF	Typical	Minimum
5 - 50 MHz	50	45
50 - 1000 MHz	35	25
1000 - 2000 MHz	30	20
LO to IF		
5 - 50 MHz	45	40
50 - 1000 MHz	30	20
1000 - 2000 MHz	25	15

Operating Characteristics

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

Ordering Information

Part No.	Packaging
EMRS-11H	SM-1 in Tubes
EMRS-11HTR	SM-1 in Forward Tape & Reel
EMRSJ-11H	SM-44 in Tubes

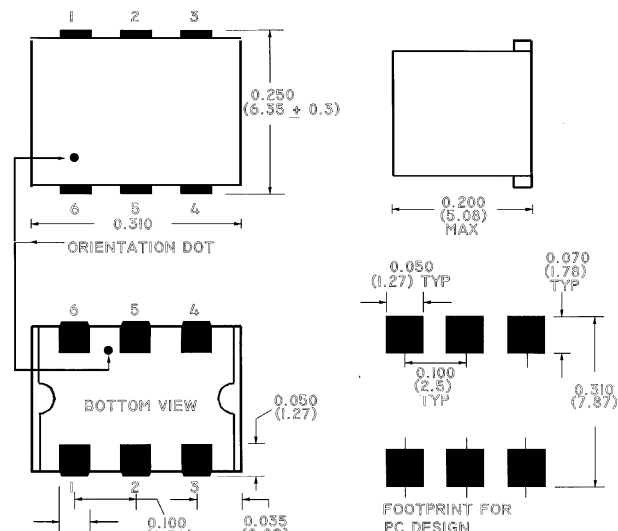
Absolute Maximum Ratings

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

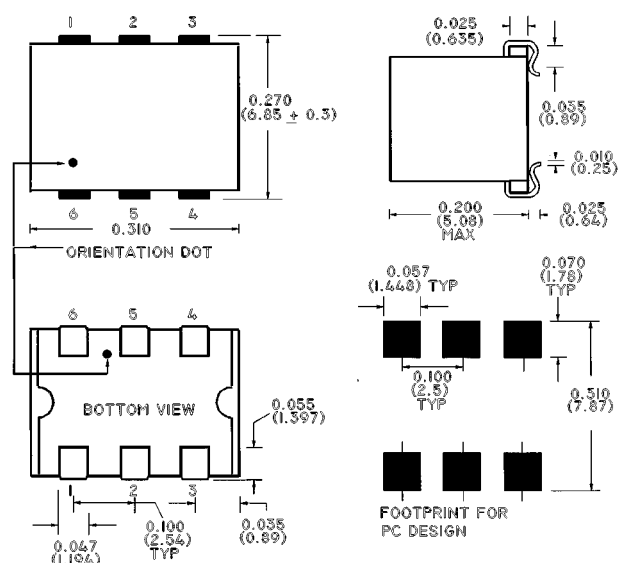
Pin Configuration

Function	Pin No.
LO	1
RF	4
IF	5
Ground	2,3,6

SM-1



SM-44



Dimensions in () are in mm.
Unless Otherwise Noted: .x = ±0.04 (1.00)
.xx = ±0.02 (0.50)
.xxx = ±0.010 (0.250)

Specifications Subject to Change Without Notice.

S 0060 B, S 1152 A

M/A-COM, Inc.

North America: Tel. (800) 366-2266
Fax (800) 618-8883

Asia/Pacific: Tel. +81 (03) 3226-1671
Fax +81 (03) 3226-1451

Europe: Tel. +44 (1344) 869 595
Fax +44 (1344) 300 020