

E-Series Surface Mount Mixer

5 - 1000 MHz

EMRS-2MH, EMRSL-2MH

V3.00

Features

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

Specifications @ 25°C

Frequency Range		
RF		5 - 1000 MHz
LO		5 - 1000 MHz
IF		DC - 1000 MHz
Conversion Loss (dB)	Typical	Maximum
		10 - 500 MHz
		5 - 1000 MHz
Isolation (dB)	Typical	Minimum
		LO to RF
		5 - 50 MHz
Isolation (dB)	Typical	Minimum
		50 - 500 MHz
		500 - 1000 MHz
Isolation (dB)	Typical	Minimum
		LO to IF
		5 - 50 MHz
Isolation (dB)	Typical	Minimum
		50 - 500 MHz
		500 - 1000 MHz

Operating Characteristics

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

Ordering Information

Part No.	Packaging
EMRS-2MH	SM-1 in Tubes
EMRS-2MHTR	SM-1 in Forward Tape & Reel
EMRSL-2MH	SM-24 in Tubes
EMRSL-2MHTR	SM-24 in Forward Tape & Reel

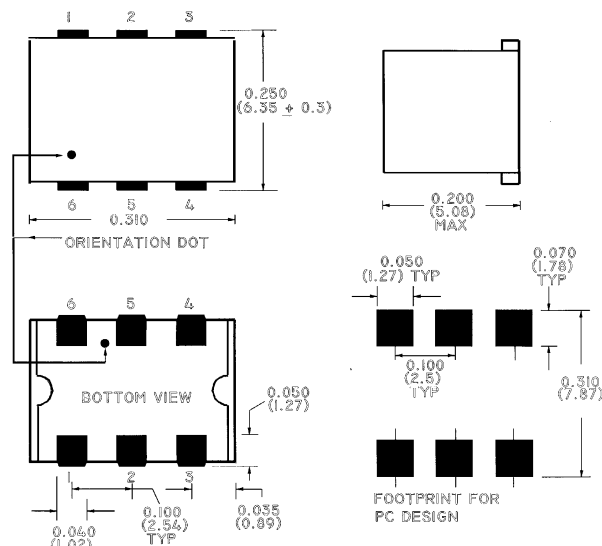
Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Power	150 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 (Typical)

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

SM-1



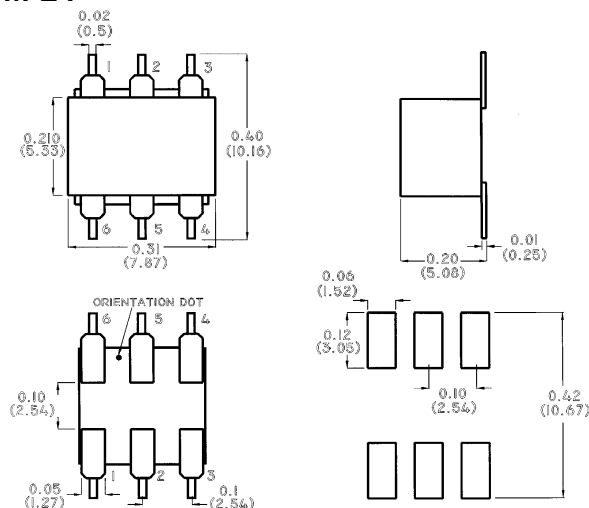
Dimensions in () are in mm.

Unless Otherwise Noted: .x = ±0.04 (1.00)

.xx = ±0.02 (0.50)

.xxx = ±0.010 (0.250)

SM-24



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 0178 B, S 0523

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