

E-Series Surface Mount Mixer

200 - 3000 MHz

EMRS-30, EMRSJ-30

V3.00

Features

- LO Power: +7 dBm
- Up to +1 dBm RF
- Surface Mount

Specifications @ 25°C

Frequency Range		
RF		200 - 3000 MHz
LO		200 - 3000 MHz
IF		DC - 1000 MHz
Conversion Loss (dB)	Typical	Maximum
200 - 3000 MHz	7.5	9.8
Isolation (dB)	Typical	Minimum
LO to RF		
200 - 3000 MHz	24	17
LO to IF		
200 - 3000 MHz	20	7

Operating Characteristics

Impedance	50 Ohms Nominal
RF input for 1dB Compression	+ 1 dBm
DC Polarity	Positive

Ordering Information

Part No.	Packaging
EMRS-30	SM-41 in Tubes
EMRSJ-30	SM-57 in Tubes

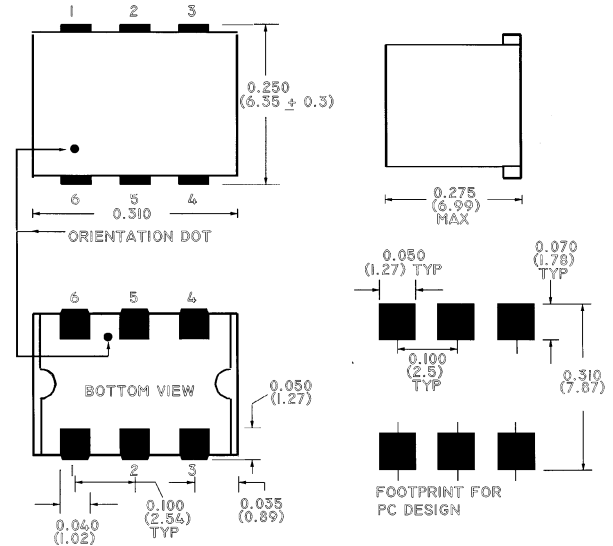
Absolute Maximum Ratings

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

Pin Configuration (Typical)

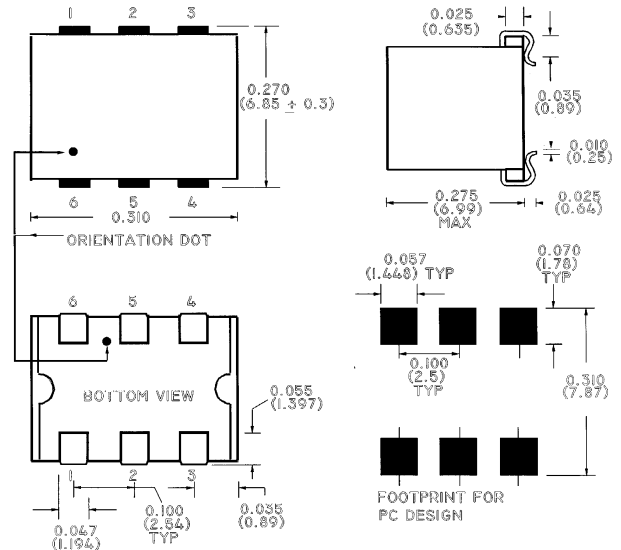
Function	Pin No.
LO	1
RF	4
IF	5
Ground	2,3,6

SM-41



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

SM-57



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 0739 C, S 1106 A

M/A-COM, Inc.

1

North America: Tel. (800) 366-2266 ■ Asia/Pacific: Tel. +81 (03) 3226-1671 ■ Europe: Tel. +44 (1344) 869 595
 Fax (800) 618-8883 Fax +81 (03) 3226-1451 Fax +44 (1344) 300 020

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [RF Mixer](#) category:

Click to view products by [MACOM](#) manufacturer:

Other Similar products are found below :

[M80C](#) [HMC337-SX](#) [F1763EVBI](#) [mamx-009646-23dbml](#) [HMC339-SX](#) [F1751NBGI](#) [CSM5T](#) [CHR3664-QEG](#) [NJM2552V-TE1](#)
[HMC220BMS8GE](#) [HMC8192-SX](#) [LTC5569IUF#PBF](#) [LTC5540IUH#PBF](#) [HMC220BMS8GETR](#) [MAX2055EUP+TD](#) [M85C](#) [M74C](#)
[CSM4TH](#) [HMC8191-SX](#) [CMD251C3](#) [MD-174-PIN](#) [CMD253C3](#) [HMC8192LG](#) [HMC553AG-SX](#) [HMC521A-SX](#) [HMC521ACHIPS](#)
[HMC558A](#) [HMC553AG](#) [HMC8191](#) [MAMX-011023-SMB](#) [EMRS-1TR](#) [ADL5355ACPZ-R7](#) [HMC399MS8TR](#) [HMC141LH5](#) [HMC333TR](#)
[HMC214MS8TR](#) [HMC175MS8TR](#) [HMC1043LC3TR](#) [F0552NLGI](#) [F1701NBGI](#) [F0502NLGI](#) [F1763NBGI](#) [MDS-189-PIN](#) [MAX2042AETP+](#)
[MAX2032ETP+](#) [MAX2043ETX+](#) [CSM2-13](#) [CSM4T](#) [HMC1056LP4BETR](#) [LTC5510IUF#PBF](#)