



E-Series Surface Mount Mixer

5 - 1900 MHz

EMRS-42X

Features

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

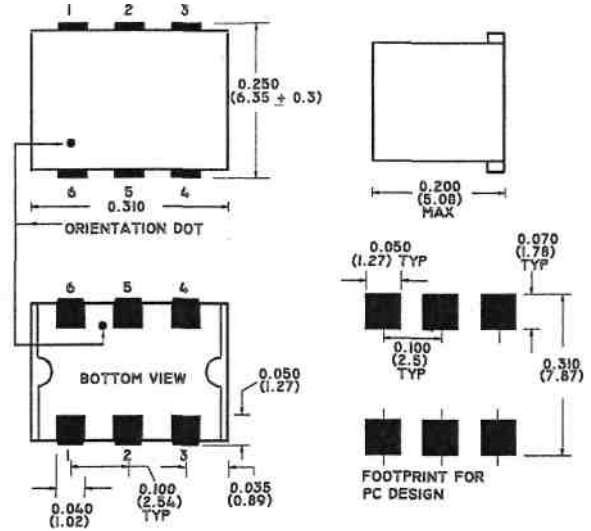
Specifications @ 25 °C

Frequency Range		
RF		5 - 1900 MHz
LO		5 - 1900 MHz
IF		5 - 1000 MHz

Conversion Loss (dB)	Typical	Maximum
10 - 950 MHz	7.2	8
5 - 1900 MHz	7.4	9.8

Isolation (dB)	Typical	Minimum
LO to RF		
5 - 50 MHz	50	45
50 - 950 MHz	35	20
950 - 1900 MHz	27	18
LO to IF		
5 - 50 MHz	56	45
50 - 950 MHz	37	20
950 - 1900 MHz	27	20

SM-1



Operating Characteristics

Impedance	50 Ohms Nominai
RF input for 1 dB Compression	+ 1 dBm

Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Power	50 mW
Peak IF Current	40 mA
Storage Temperature	-55°C Cto 100°C
Operating Temperature	-55°C Cto 100°C
Pin Temperature (10 Seconds)	260 °C

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

Specifications Subject to Change Without Notice

M/A-COM Inc. North America
Cork, Ireland Tel: 1-800-366-266

Tel: 353-21-311 266 Fax: 353-21-311 890
Europe Tel:+44 (1344) 869 595

See Page 7-26 For Local Office Details Asia /
Pacific Tel: +81 (03) 3226-1671