

E-Series Surface Mount Mixer

350 - 2000 MHz

EMRS-11F

V3.00

Features

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

Specifications @ 25°C

Frequency Range		
RF		350 - 2000 MHz
LO		350 - 2000 MHz
IF		DC - 400 MHz
Conversion Loss (dB)		
	Typical	Maximum
350 - 1000 MHz	5.5	7.0
350 - 2000 MHz	6.8	9.2
Isolation (dB)		
	Typical	Minimum
LO to RF		
350 - 750 MHz	25	20
750 - 1000 MHz	25	18
1000 - 2000 MHz	30	20
LO to IF		
350 - 750 MHz	22	14
750 - 1000 MHz	29	22
1000 - 2000 MHz	28	22

Operating Characteristics

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

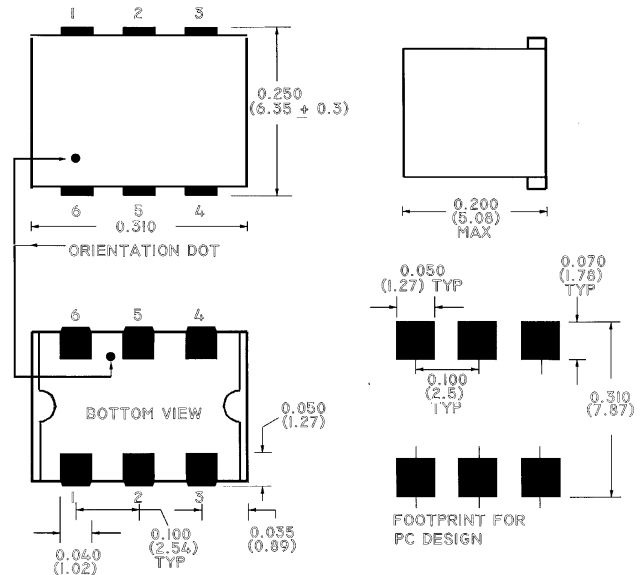
Ordering Information

Part No.	Packaging
EMRS-11F	Tube
EMRS-11FTR	Forward Tape & Reel

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

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)

Pin Configuration

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

Specifications Subject to Change Without Notice.

S 0764 C

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