



M/A-COM

ISO 9001
CERTIFIED

E-Series Surface Mount Mixer 5 - 1000 MHz

EMRS-2

Features

- * LO Power +7 dBm
- * Up to +1 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	
10 - 500 MHz	6.5	8
5 - 1000 MHz	7	9.5

Isolation (dB)	Typical	Minimum
LO to RF		
5 - 50 MHz	60	40
50 - 500 MHz	40	20
500 - 1000 MHz	25	18
LO to IF		
5 - 50 MHz	55	30
	30	20

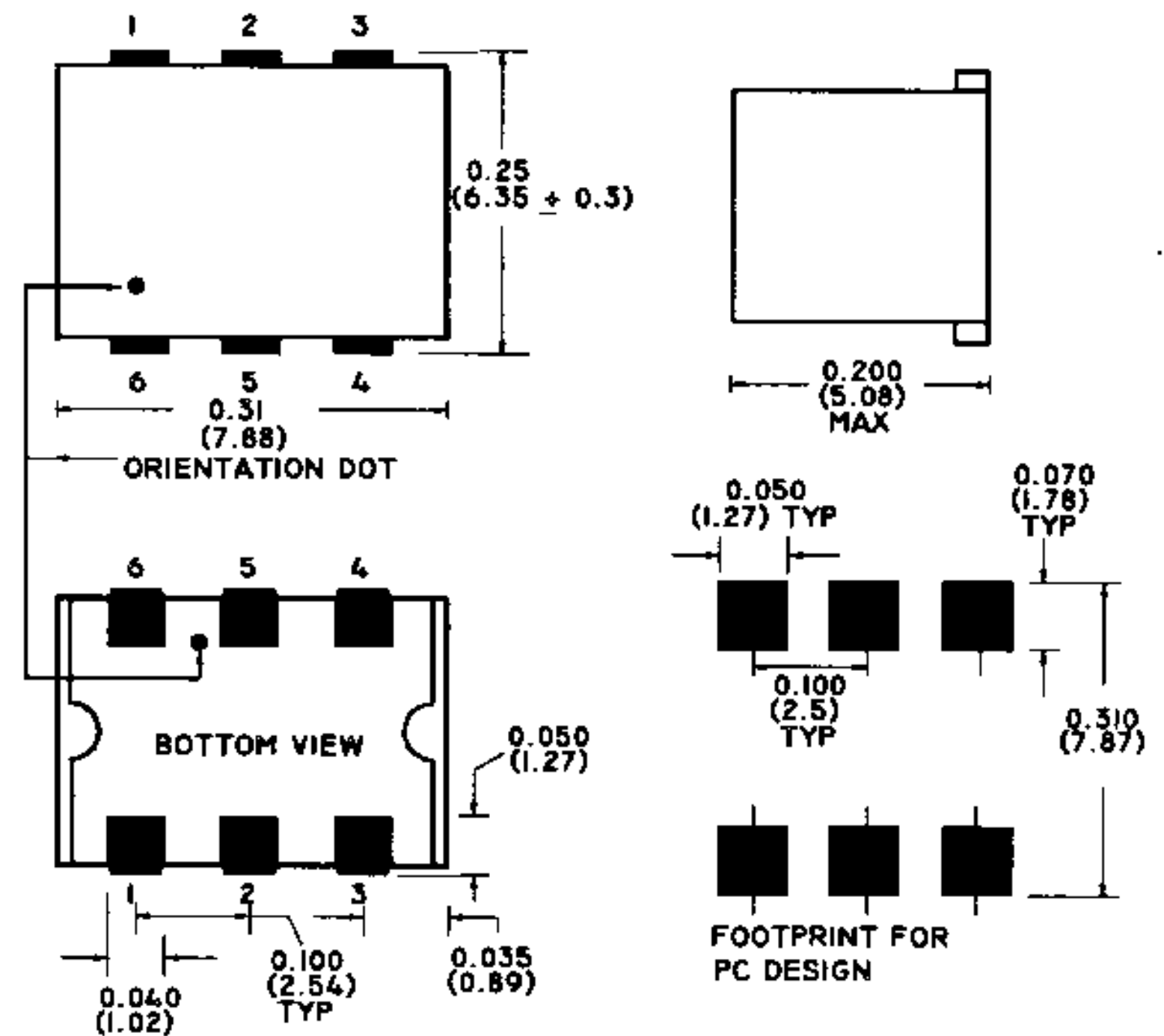
Operating Characteristics

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

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



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