



E-Series Surface Mount Mixer

5 - 1500 MHz

EMRS-5

Features

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

Specifications @ 25°C

Frequency Range	Typical	Minimum
RF	5 - 1500 MHz	
LO	5 - 1500 MHz	
IF	DC - 1000 MHz	

Conversion Loss (dB)	Typical	Minimum
10 - 750 MHz	6.5	7.5
5 - 1500 MHz	7.5	9.5

Isolation (dB)	Typical	Minimum
LO to RF		
5 - 50 MHz	60	40
50 - 750 MHz	40	20
750 - 1500 MHz	30	18
LO to IF		
5 - 50 MHz	55	30
	30	18

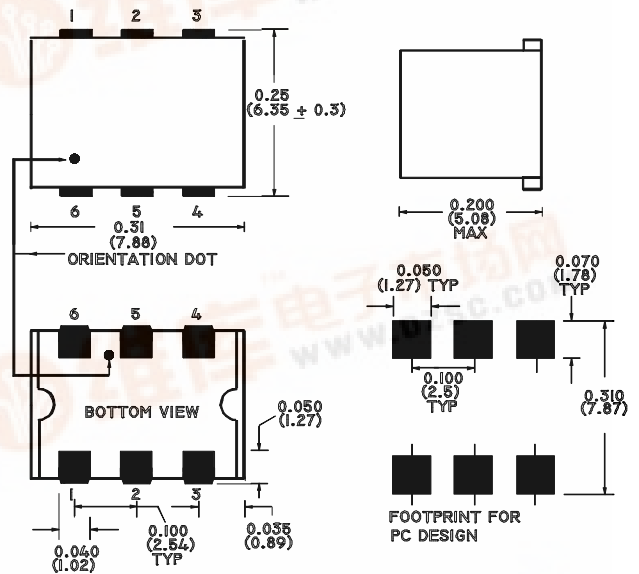
Operating Characteristics

Impedanc	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	-