

E-Series Surface Mount Mixer

5 - 1900 MHz

EMRS-11X, EMRSJ-11X

V3.00

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)		
10 - 950 MHz	Typical	Maximum
	7.2	8.0
5 - 1900 MHz	7.4	9.8
Isolation (dB)		
LO to RF	Typical	Minimum
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

Operating Characteristics

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

Ordering Information

Part No.	Packaging
EMRS-11X	SM-1 in Tubes
EMRS-11XTR	SM -1 in Forward Tape & Reel
EMRSJ-11X	SM-44 in Tubes

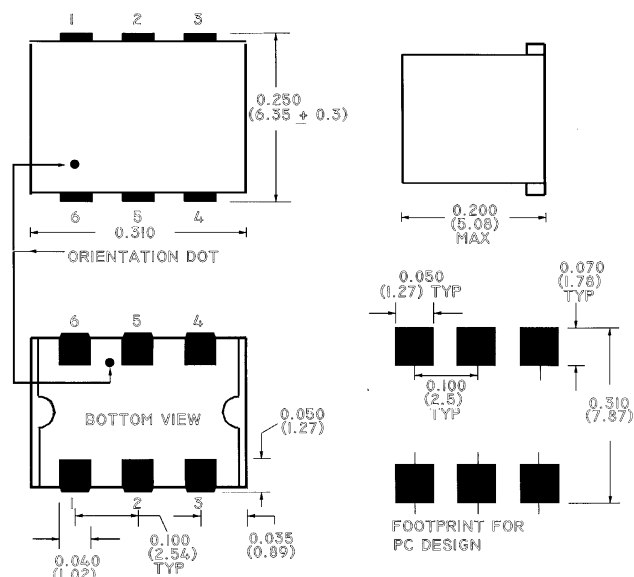
Absolute Maximum Ratings

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

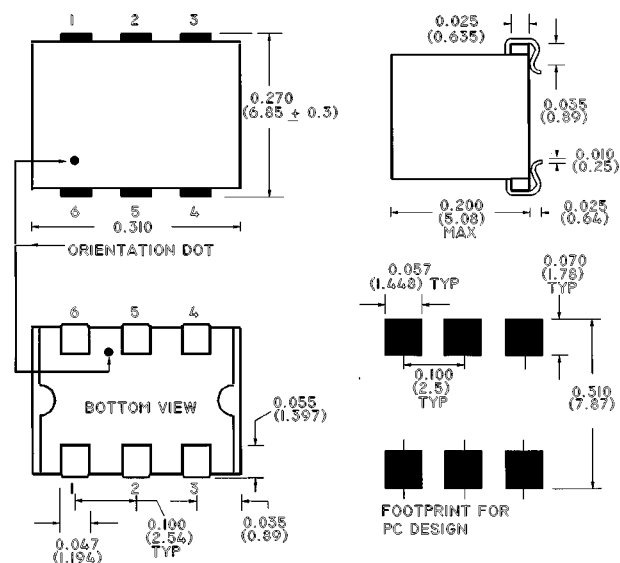
Pin Configuration

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

SM-1



SM-44



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 0765 B. S 0765 A

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