



E-Series Surface Mount Mixer

200 - 3000 MHz

EMRS-30, EMRSJ-30

V3.00

Features

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

Specifications @ 25°C

Frequency Range		
RF		200 - 3000 MHz
LO		200 - 3000 MHz
IF		DC - 1000 MHz
Conversion Loss (dB)		
200 - 3000 MHz	Typical 7.5	Maximum 9.8
Isolation (dB)		
LO to RF	Typical 24	Minimum 17
200 - 3000 MHz		
LO to IF	Typical 20	Minimum 7
200 - 3000 MHz		

Operating Characteristics

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

Ordering Information

Part No.	Packaging
EMRS-30	SM-41 in Tubes
EMRSJ-30	SM-57 in Tubes

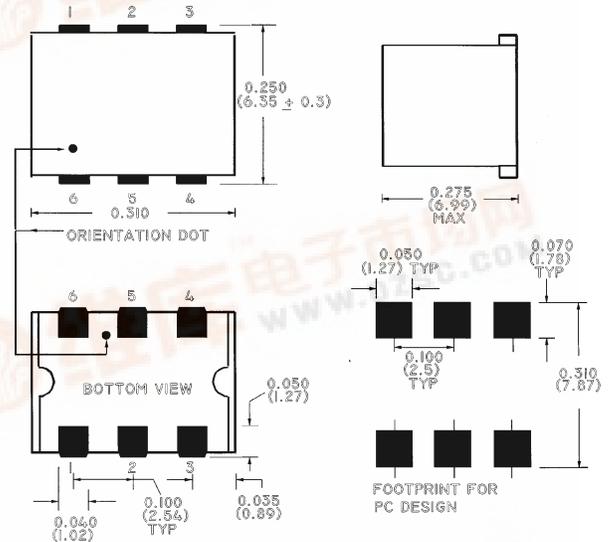
Absolute Maximum Ratings

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 (Typical)

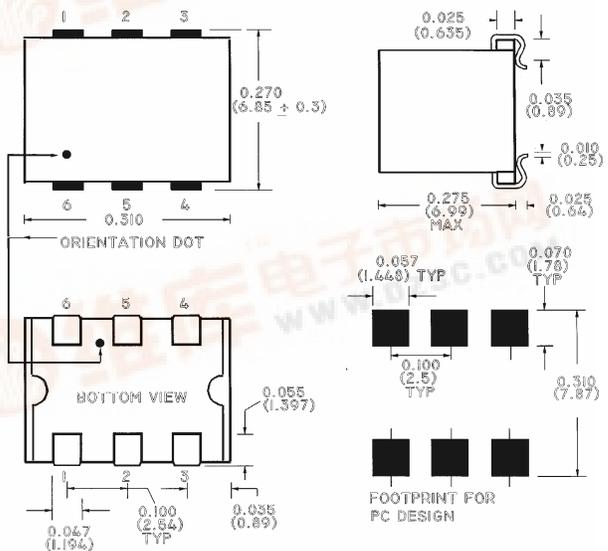
Function	Pin No.
LO	1
RF	4
IF	5
Ground	2,3,6

SM-41



Dimensions in () are in mm.
 Unless Otherwise Noted: .x = ±0.04 (1.00)
 .xx = ±0.02 (0.50)
 .xxx = ±0.010 (0.250)

SM-57



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 Unless Otherwise Noted: .x = ±0.04 (1.00)
 .xx = ±0.02 (0.50)
 .xxx = ±0.010 (0.250)