

E-Series Surface Mount Mixer

1635 - 2065 MHz

EMRS-10H

V3.00

Features

- LO Power: +17 dBm
- Up to +13 dBm RF
- Surface Mount

Specifications @ 25°C

Frequency Range		
RF		1635 - 2065 MHz
LO		935 - 1125 MHz
IF		700 - 940 MHz
Conversion Loss (dB)	Typical	Maximum
1635 - 2065 MHz	8.0	9.0
Isolation (dB)	Typical	Minimum
LO to RF		
935 - 1125 MHz	33	28
LO to IF		
935 - 1125 MHz	23	18
Two Tone Third Order Input Intercept (dBm)		+25 dBm
Test Conditions		
RF1: 1970 MHz @ 0 dBm		
RF2: 1971 MHz @ 0 dBm		
LO: 1030 MHz @ +17 dBm		
IF1: 940 MHz		
IF2: 941 MHz		
VSWR	Typical	Maximum
LO	1.6:1	2.5:1
RF	2.2:1	2.5:1
IF	1.5:1	2.5:1

Operating Characteristics

Impedance	50 Ohms Nominal
RF input for 1dB Compression	+ 13 dBm

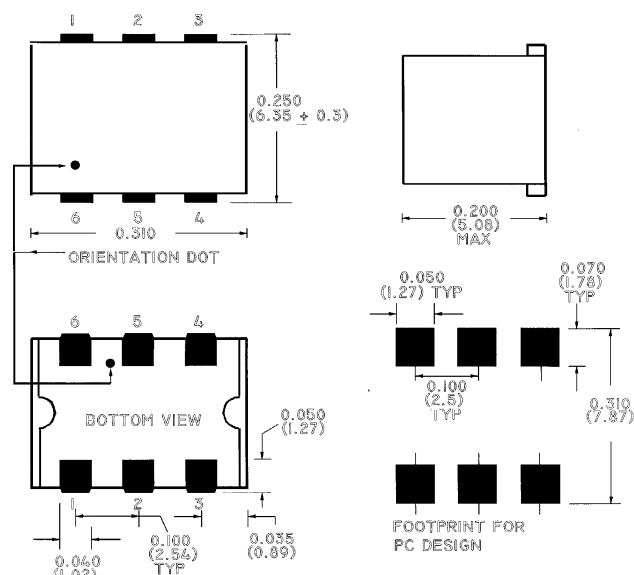
Ordering Information

Part No.	Packaging
EMRS-10H	Tube
EMRS-10HTR	Forward Tape & Reel

Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Power	200 mW
Peak IF Current	40 mA
Storage Temperature	-55°C to 100°C
Operating Temperature	-10°C to 70°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.

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