

E-Series Surface Mount Mixer

890 - 915 MHz

ESMD-C2HX2

V3.00

Features

- LO Power: +17 dBm
- Up to +14 dBm RF

Specifications @ 25°C

Frequency Range		
RF		890 - 915 MHz
LO		819 - 844 MHz
IF		71 MHz
Conversion Loss (dB)		
890 - 915 MHz	Maximum	7.5
Isolation (dB)		
LO to RF	Minimum	
819 - 844 MHz		25
LO to IF		
819 - 844 MHz		15
Two Tone Third Order Input Intercept		
RF1 @ 890 MHz		0 dBm
RF2 @ 891 MHz		0 dBm
LO @ 820 MHz		+17 dBm
Input IP ₃ (dBm)		
Typical		
+29	Minimum	+27
VSWR		
LO	Maximum	2.0:1
RF		1.7:1
IF		2.0:1

Operating Characteristics

Impedance	50 Ohms Nominal
RF input for 1dB Compression	+14 dBm

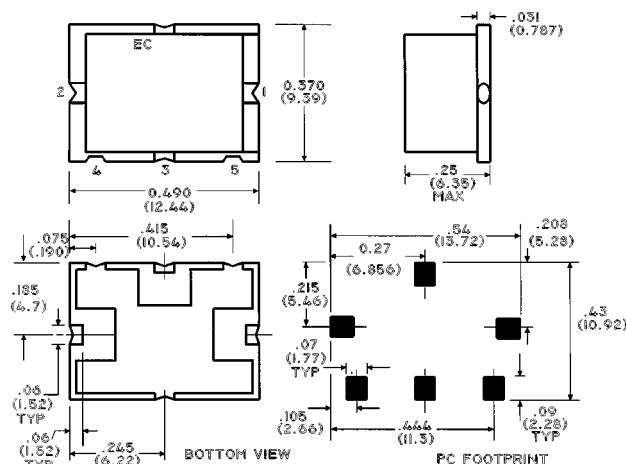
Ordering Information

Part No.	Packaging
ESMD-C2HX2	Tube
ESMD-C2HX2TR	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	-55°C to 100°C
Pin Temperature (10 Seconds)	260°C

SM-2



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	2
RF	1
IF	3
Ground	4, 5

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