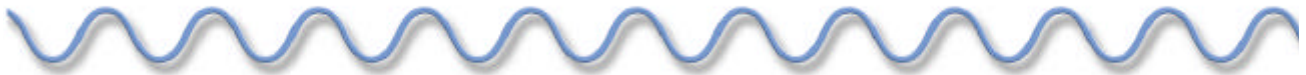


# MACOM E - Series Surface Mount Mixer

## 890 - 915 MHz

## ESMD-C2HX2

ESMD - C2HX2



SM-2

### Features

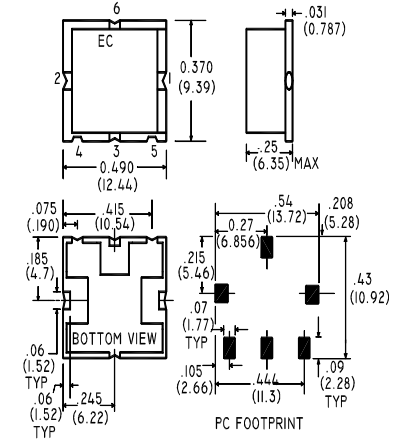
- Lo Power +17 dBm
- Up to +14dBm RF
- Surface Mount

### Specifications @ 25°C

Frequency Range		
RF		890-915 MHz
LO		819-844 MHz
IF		71 MHz
Conversion Loss (dB)	Typical	Minimum
890-915 MHz	-	7.5
Isolation (dB)	Typical	Minimum
<b>LO To RF</b>		
819-844 MHz	-	25
<b>LO To IF</b>		
		15

### Operating Characteristics

Impedance	50 Ω Nominal
RF Input for 1 dB Compression	+ 14 dBm



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

### 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

Note: Specifications subject to change without notice

**Two Tone Third Order Input Intercept: Test Conditions**

RF1	890 MHz @ 0 dBm
RF2	891 MHz @ 0 dBm
LO	820 MHz @ +17 dBm

IIP3 Spec: +29 dBm TYPical, +27 dBm Min

**Voltage Standing Wave Ratio's**

LO VSWR	Max	2.0:1
RF VSWR	Max	1.7:1
IF VSWR	Max	2.0:1

Specifications subject to change without notice.

- North America: Tel. (800) 366-2266, Fax (800) 618-8883
- Asia/Pacific: Tel.+81-44-844-8296, Fax +81-44-844-8298
- Europe: Tel. +44 (1344) 869 595, Fax+44 (1344) 300 020

Visit [www.macom.com](http://www.macom.com) for additional data sheets and product information.

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