

# E-Series Surface Mount Mixer

## 1710 - 1880 MHz

# ESMD-C21

V3.00

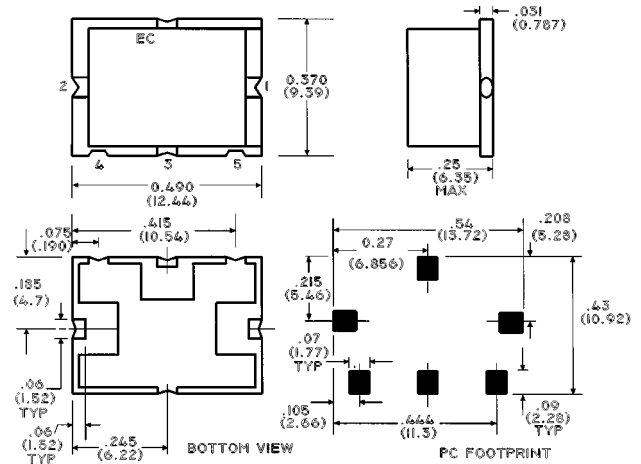
### Features

- LO Power: +10 dBm
- Up to +9 dBm RF
- Surface Mount

### Specifications @ 25°C

Frequency Range		
RF		1710 - 1880 MHz
LO		1560 - 1655 MHz
IF		150 - 225 MHz
Conversion Loss (dB)		
1710 - 1880 MHz	Typical	Maximum
	6.5	8.0
Isolation (dB)		
LO to RF	Typical	Minimum
1560 - 1655 MHz	25	18
LO to IF		
1560 - 1655 MHz	30	20
Input IP <sub>3</sub>		
	Typical	Minimum
	+17 dBm	+15 dBm
VSWR		
LO	Typical	Maximum
	2.8:1	3.0:1
RF	1.8:1	2.0:1
IF	1.5:1	1.8:1

### 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)

### Operating Characteristics

Impedance	50 Ohms Nominal
RF input for 1dB Compression	+ 9 dBm

### Ordering Information

<b>Part No.</b>	<b>Packaging</b>
ESMD-C21	Tube
ESMD-C21TR	Forward Tape & Reel

### 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	2
RF	3
IF	1
Ground	4,5

\* Pins must be connected together externally.

S 0516 F

Specifications Subject to Change Without Notice.

**M/A-COM, Inc.**

North America: Tel. (800) 366-2266 ■ Asia/Pacific: Tel. +81 (03) 3226-1671 ■ Europe: Tel. +44 (1344) 869 595  
 Fax (800) 618-8883 Fax +81 (03) 3226-1451 Fax +44 (1344) 300 020