

E-Series Plug-In Mixer

5 - 1500 MHz

EMA-5

V3.00

Features

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

Specifications @ 25°C

Frequency Range		
RF		5 - 1500 MHz
LO		5 - 1500 MHz
IF		10 - 600 MHz
Conversion Loss (dB)		
10 - 750 MHz	Typical 7.0	Maximum 8.0
5 - 1500 MHz	Typical 7.5	Maximum 8.5
Isolation (dB)		
LO to RF		Minimum 45
5 - 50 MHz	Typical 50	
50 - 750 MHz	Typical 35	Minimum 30
750 - 1500 MHz	Typical 30	Minimum 20
LO to IF		Minimum 40
5 - 50 MHz	Typical 45	
50 - 750 MHz	Typical 30	Minimum 25
750 - 1500 MHz	Typical 25	Minimum 15

Operating Characteristics

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

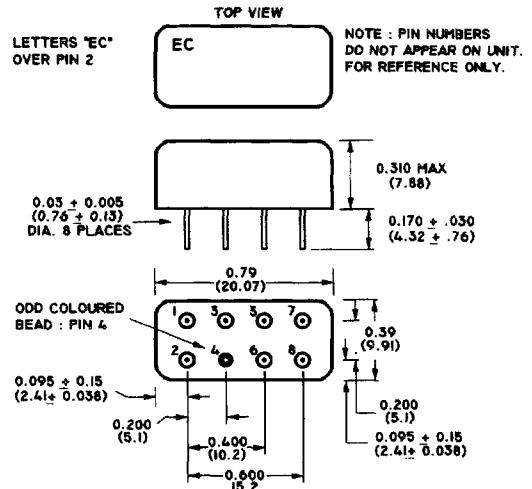
Ordering Information

Part No.	Packaging
EMA-5	Tube
EMA-5TR	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

R-1



Dimensions in () are in mm.
 Unless Otherwise Noted: .x = ±0.04 (1.00)
 .xx = ±0.02 (0.50)
 .xxx = ±0.010 (0.250)
 WEIGHT (APPROX.): 0.16 OUNCES 4.4 GRAMS

Pin Configuration

Function	Pin No.
LO	8
RF	1
IF	3
Ground	2,5,6,7
Case Ground	2,5,6,7
Unconnected	4

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Specifications Subject to Change Without Notice.

12-26

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