

E-Series Plug-In Mixer

5 - 500 MHz

EMD-108

V3.00

Features

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

Specifications @ 25°C

Frequency Range	
RF	5 - 500 MHz
LO	5 - 500 MHz
IF	DC - 500 MHz
Conversion Loss (dB)	Maximum
10 - 150 MHz	7.0
5 - 500 MHz	9.0
Isolation (dB)	Minimum
LO to RF	40
10 - 150 MHz	35
5 - 500 MHz	35
LO to IF	Minimum
5 - 150 MHz	35
150 - 500 MHz	25
RF to IF	Minimum
5 - 150 MHz	25
150 - 500 MHz	20

Operating Characteristics

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

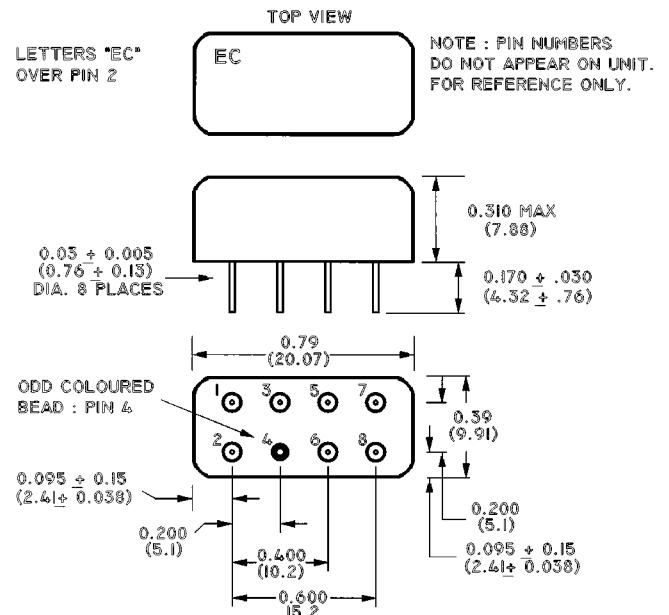
Ordering Information

Part No.	Packaging
EMD-108	Tube
EMD-108TR	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	1
RF	8
IF*	3,7
Ground	2,4,5,6
Case Ground	2,4,6

*IF pins must be connected together externally.

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