

E-Series Plug-In Mixer

0.1 - 500 MHz

EMM-3H

V3.00

Features

- LO Power: +17 dBm
- Up to +10 dBm RF

Specifications @ 25°C

Frequency Range	
RF	0.1 - 500 MHz
LO	0.1 - 500 MHz
IF	DC - 500 MHz
Conversion Loss (dB)	Maximum
0.2 - 250 MHz	7
0.1 - 500 MHz	8
Isolation (dB)	Minimum
LO to RF	
0.1 - 1 MHz	45
1 - 250 MHz	25
250 - 500 MHz	20
LO to IF	
0.1 - 1 MHz	40
1 - 250 MHz	20
250 - 500 MHz	15

Operating Characteristics

Impedance	50 Ohms Nominal
RF input for 1dB Compression	+10 dBm

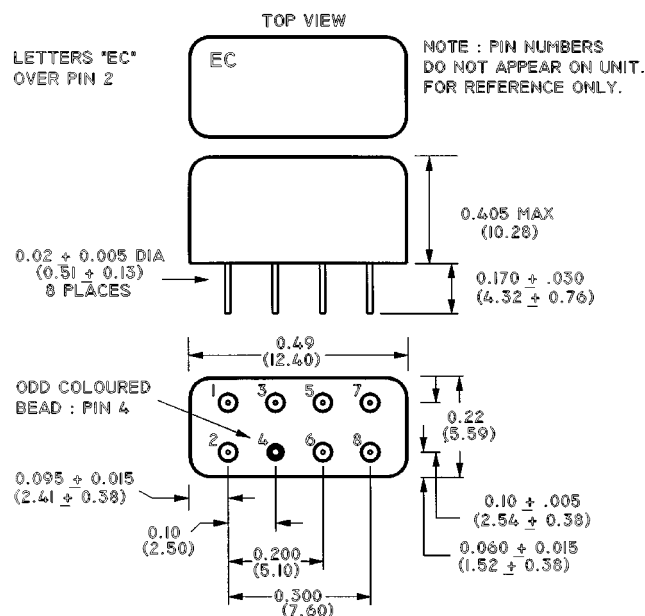
Ordering Information

Part No.	Packaging
EMM-3H	Tube

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

R-6



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.): 0.06 OUNCES 1.6 GRAMS

Pin Configuration

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

*IF pins must be connected together externally.

S 0050 A

Specifications Subject to Change Without Notice.

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