

E-Series Plug-In Mixer

5 - 500 MHz

EMR-1

V3.00

Features

- LO Power: +23 dBm
- Up to +15 dBm RF

Specifications @ 25°C

Frequency Range		
RF		5 - 500 MHz
LO		5 - 500 MHz
IF		DC - 500 MHz
Conversion Loss (dB)		
10 - 250 MHz	Typical 6.0	Maximum 7.5
5 - 500 MHz	7.5	8.5
Isolation (dB)		
LO to RF	Typical	Minimum
5 - 50 MHz	55	45
50 - 250 MHz	40	30
250 - 500 MHz	30	25
LO to IF		
5 - 50 MHz	55	45
50 - 250 MHz	40	30
250 - 500 MHz	30	20

Operating Characteristics

Impedance	50 Ohms Nominal
RF input for 1dB Compression	+ 15 dBm

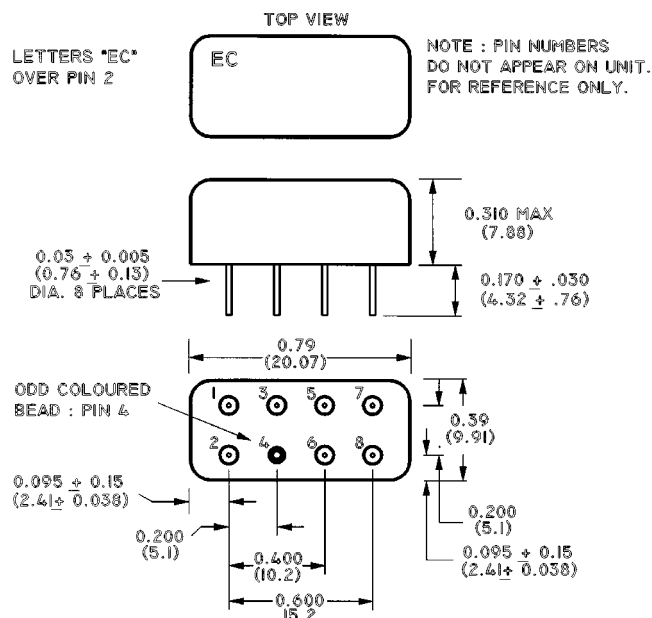
Ordering Information

Part No.	Packaging
EMR-1	Tube
EMR-1TR	Forward Tape & Reel

Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Power	350 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*	3,4
Ground	2,5,6,7
Case Ground	2

* IF pins must be connected together externally.

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