

E-Series Plug-In Mixer

0.04 - 400 MHz

EMT-3

V3.00

Features

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

Specifications @ 25°C

Frequency Range		
RF		0.04 - 400 MHz
LO		0.04 - 400 MHz
IF		DC - 400 MHz
Conversion Loss (dB)		
0.08 - 200 MHz	Typical 5.3	Maximum 7.0
0.04 - 400 MHz	6.0	8.0
Isolation (dB)		
LO to RF	Typical	Minimum
0.04 - 0.4 MHz	60	50
0.4 - 200 MHz	50	35
200 - 400 MHz	35	25
LO to IF		
0.04 - 0.4 MHz	55	40
0.4 - 200 MHz	45	30
200 - 400 MHz	35	25

Operating Characteristics

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

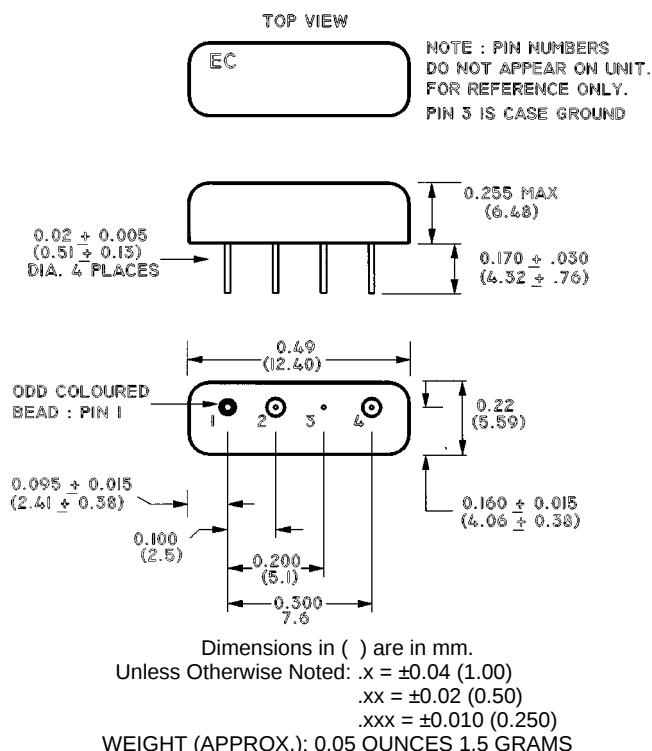
Ordering Information

Part No.	Packaging
EMT-3	Tube

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-3



Pin Configuration

Function	Pin No.
LO	4
RF	1
IF	2
Ground	3
Case Ground	3

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