E-Series Plug-In Mixer
2 - 600 MHz

ETUF-1MH, ETUF-1MHSM

V3.00

Features

- LO Power: +13 dBm
- Up to +9 dBm RF

Specifications @ 25°C

Frequency Range		
RF		2 - 600 MHz
LO		2 - 600 MHz
IF		DC - 600 MHz
Conversion Loss (dB)	Typical	Maximum
4 - 300 MHz	5.5	7.0
2 - 600 MHz	6.5	8.0
Isolation (dB)	Typical	Minimum
LO to RF		
2 - 20 MHz	68	50
20 - 300 MHz	50	30
300 - 600 MHz	43	25
LO to IF		
2 - 20 MHz	65	45
20 - 300 MHz	48	30
300 - 600 MHz	37	22

Operating Characteristics

Impedance	50 Ohms Nominal
RF input for 1dB Compression	+9 dBm
DC Polarity	Negative

Ordering Information

Part No.	Packaging
ETUF-1MH	R-3 in Tubes
ETUF-1MHSM	R-15 in Tubes
ETUF-1MHSMTR	R-15 in Tape & Reel

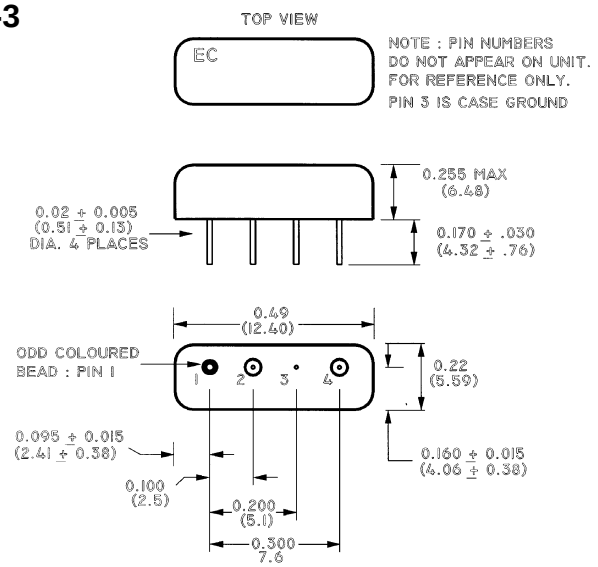
Absolute Maximum Ratings

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

Pin Configuration

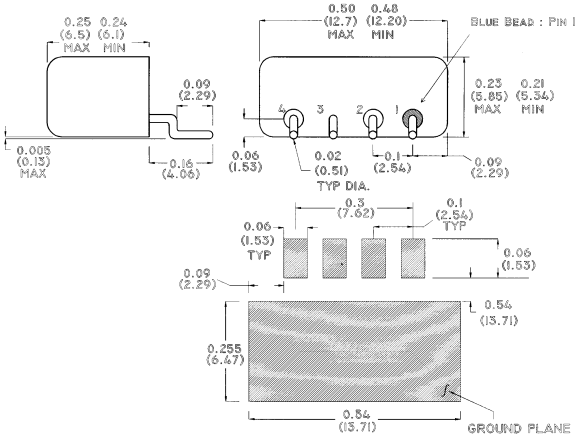
Function	Pin No.
LO	4
RF	1
IF	2
Ground	3
Case Ground	3

R-3



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.): 0.05 OUNCES 1.5 GRAMS

R-15



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S 0570 C, S 1191 A

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