

E-Series Plug-In Mixer

0.15 - 400 MHz

ETUF-3, ETUF-3SM

V3.00

Features

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

Specifications @ 25°C

Frequency Range		
RF		0.15 - 400 MHz
LO		0.15 - 400 MHz
IF		DC - 400 MHz
Conversion Loss (dB)		
0.3 - 200 MHz	Typical	Maximum
	4.7	7.0
.15 - 400 MHz	5.5	8.0
Isolation (dB)		
LO to RF	Typical	Minimum
0.15 - 1.5 MHz	60	50
1.5 - 200 MHz	46	30
200 - 400 MHz	35	25
LO to IF		
0.15 - 1.5 MHz	60	40
1.5 - 200 MHz	47	25
200 - 400 MHz	35	20

Operating Characteristics

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

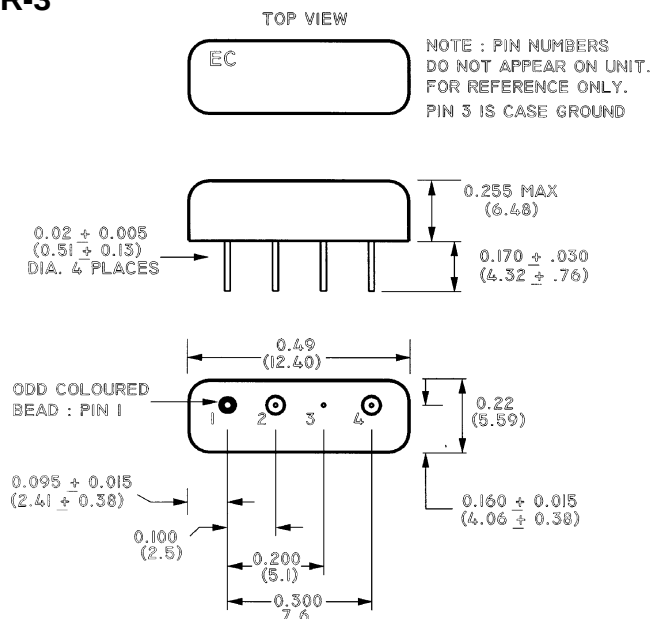
Ordering Information

Part No.	Packaging
ETUF-3	R-3 in Tubes
ETUF-3SM	R-15 in Tubes
ETUF-3SMTR	R-15 in 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-3



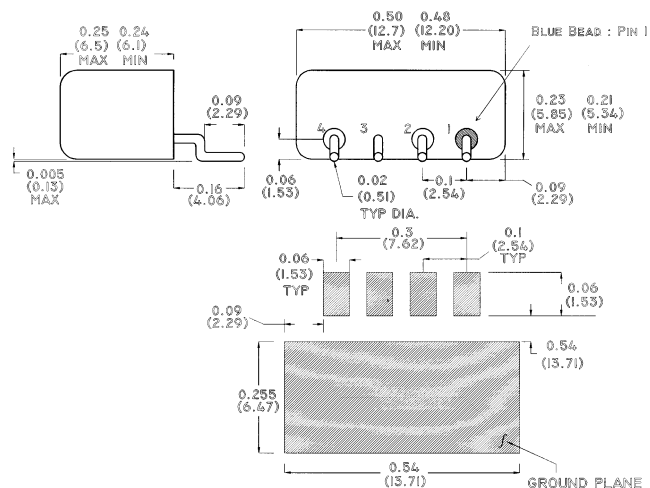
Dimensions in () are in mm.
 Unless Otherwise Noted: .x = ±0.04 (1.00)
 .xx = ±0.02 (0.50)
 .xxx = ±0.010 (0.250)
 WEIGHT (APPROX.): 0.05 OUNCES 1.5 GRAMS

Pin Configuration (Typical)

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

S 0797 C, S 1187 B

R-15



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