

E-Series Plug-In Mixer

50 - 1000 MHz

ETUF-2, ETUF-2SM

V3.00

Features

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

Specifications @ 25°C

Frequency Range		
RF		50 - 1000 MHz
LO		50 - 1000 MHz
IF		DC - 1000 MHz
Conversion Loss (dB)		
100 - 500 MHz	Typical	Maximum
	5.8	7.0
50 - 1000 MHz	6.5	9.0
Isolation (dB)		
LO to RF	Typical	Minimum
50 - 500 MHz	55	40
50 - 1000 MHz	37	30
500 - 1000 MHz	33	25
LO to IF		
50 - 500 MHz	50	35
50 - 1000 MHz	40	20
500 - 1000 MHz	35	18

Operating Characteristics

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

Ordering Information

Part No.	Packaging
ETUF-2	R-3 in Tubes
ETUF-2SM	R-15 in Tubes
ETUF-2SMTR	R-15 in Tape & Reel

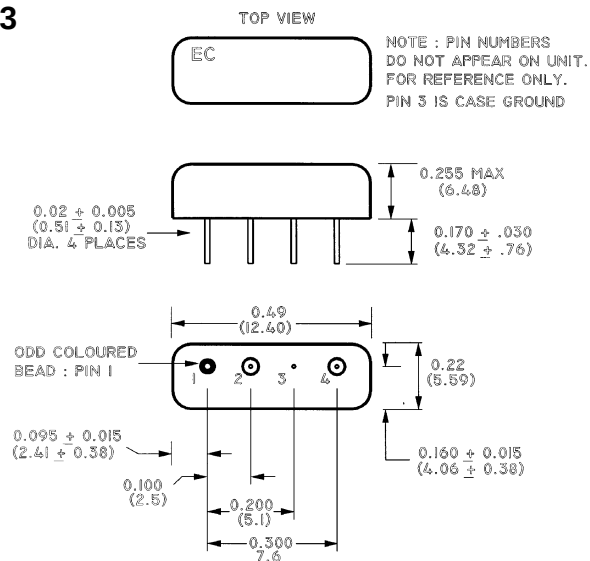
Absolute Maximum Ratings

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

Pin Configuration (Typical)

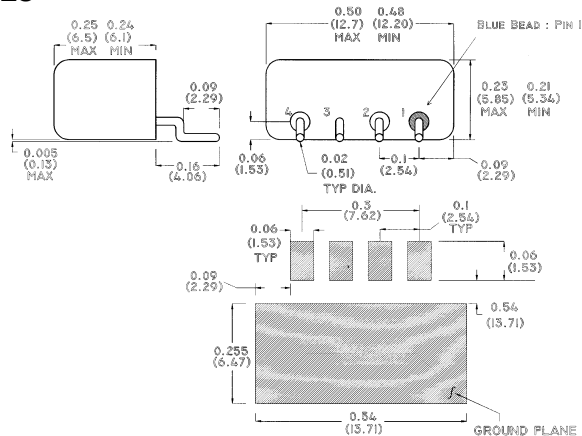
Function	Pin No.
LO	4
RF	1
IF	2
Ground	3
Case Ground	3

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



Dimensions in () are in mm.
 Unless Otherwise Noted: .x = ±0.04 (1.00)
 .xx = ±0.02 (0.50)
 .xxx = ±0.010 (0.250)

S 0615 C, S 1186 B