

E-Series Surface Mount Mixer

500 - 2500 MHz

ESCM-2500

V3.00

Features

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

Specifications @ 25°C

Frequency Range		
RF		500 - 2500 MHz
LO		500 - 2500 MHz
IF		DC - 500 MHz
Conversion Loss (dB)		Maximum
500 - 2500 MHz		10
Isolation (dB)		Typical
LO to RF		Minimum
500 - 2500 MHz	35	22
LO to IF		
500 - 2500 MHz	18	12

Operating Characteristics

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

Ordering Information

Part No.	Packaging
ESCM-2500	SM-25 in Tubes
ESCM-2500/SM-3	SM-3 in Tubes
ESCM-2500/SM-3TR	SM-3 Forward Tape & Reel

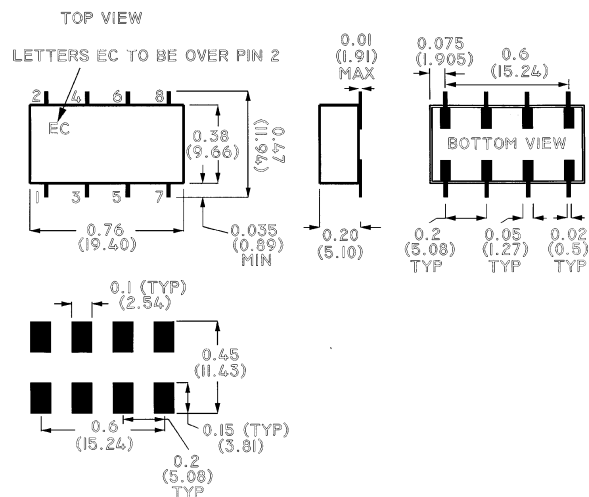
Absolute Maximum Ratings

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)

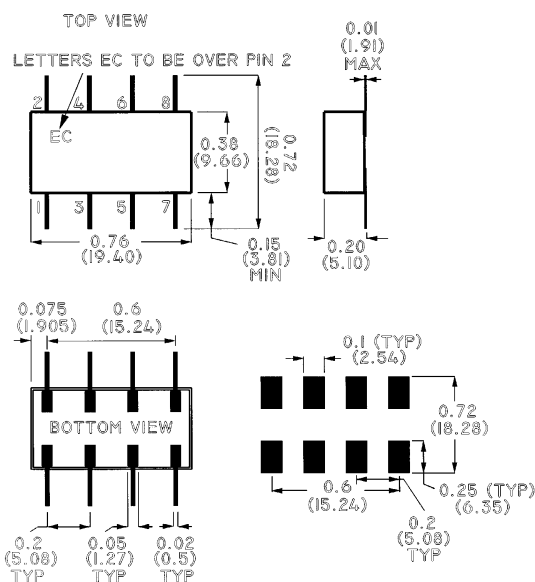
Function	Pin No.
LO	1
RF	8
IF	3
Ground	2,4,5,6,7

SM-26



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

SM-3



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

S 0397 C