

# E-Series RF 1:1 Transformer

## 0.3 - 200 MHz

**ET1-1T**

V3.00

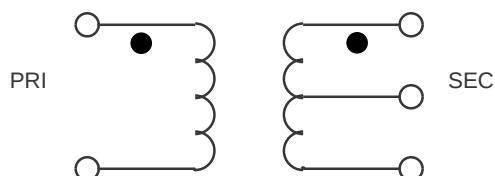
### Features

- 1:1 Impedance Ratio
- CT on Secondary

### Specifications @ 25°C

|                     |               |
|---------------------|---------------|
| Frequency Range     | 0.3 - 200 MHz |
| Insertion Loss      | Maximum       |
| 0.6 - 200 MHz       | 3 dB          |
| 0.8 - 150 MHz       | 2 dB          |
| 0.2 - 80 MHz        | 1 dB          |
| Amplitude Imbalance | Maximum       |
| 0.06 - 150 MHz      | 0.1 dB        |
| 0.3 - 200 MHz       | 0.5 dB        |
| Phase Imbalance     | Maximum       |
| 0.3 - 80 MHz        | 1°            |
| 0.3 - 200 MHz       | 5°            |

### Schematic



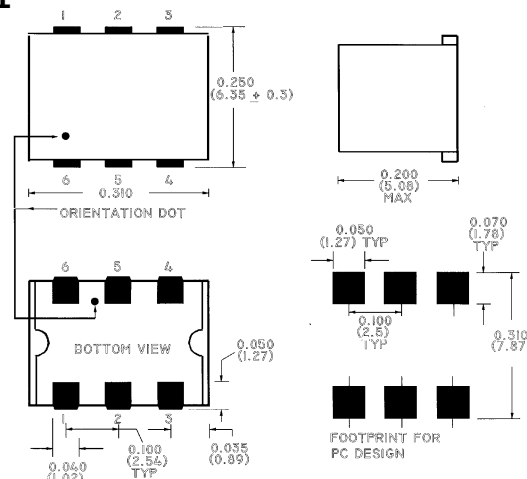
### Ordering Information

| Part No.       | Packaging            |
|----------------|----------------------|
| ET1-1T-SM-1    | SM-1 in Tubes        |
| ET1-1T-SM-1TR  | SM-1 in Tape & Reel  |
| ET1-1T-SM-5    | SM-5 in Tubes        |
| ET1-1T-SM-20   | SM-20 in Tubes       |
| ET1-1T-SM-20TR | SM-20 in Tape & Reel |
| ET1-1T-SM-21   | SM-21 in Tubes       |

### Absolute Maximum Ratings

| Parameter               | Absolute Maximum |
|-------------------------|------------------|
| RF Power                | 250 mW           |
| DC Current              | 30 mA            |
| Operating/Storage Temp. | -20°C to +85°C   |

### SM-1



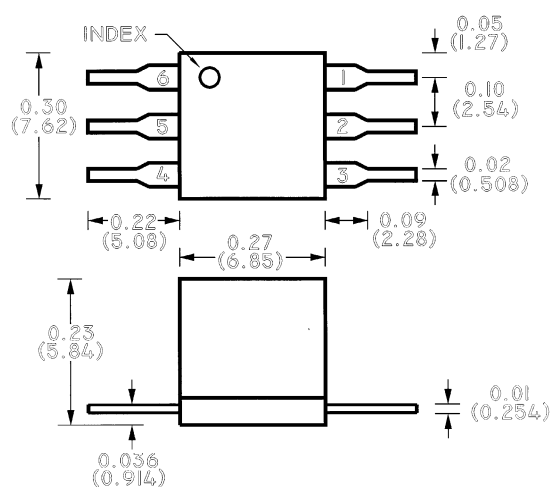
Dimensions in ( ) are in mm.  
Unless Otherwise Noted: .x = ±0.04 (1.00)  
.xx = ±0.02 (0.50)  
.xxx = ±0.010 (0.250)

### Pin Configuration

| Function      | Pin No. |
|---------------|---------|
| Primary dot   | 4       |
| Primary       | 6       |
| Secondary dot | 3       |
| Secondary     | 1       |
| Secondary CT  | 2       |
| Not Connected | 5       |

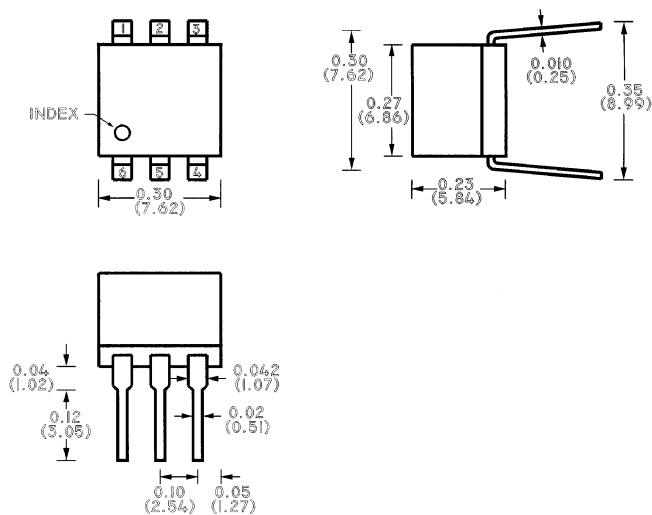
S 0376 C

## SM-5



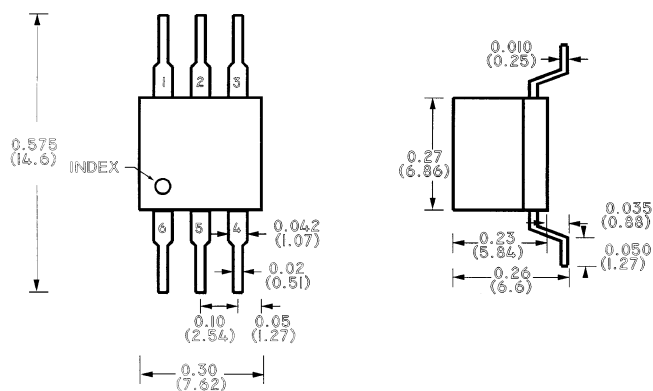
Dimensions in ( ) are in mm.  
 Unless Otherwise Noted: .x =  $\pm 0.04$  (1.00)  
 .xx =  $\pm 0.02$  (0.50)  
 .xxx =  $\pm 0.010$  (0.250)

## SM-21



Dimensions in ( ) are in mm.  
 Unless Otherwise Noted: .x =  $\pm 0.04$  (1.00)  
 .xx =  $\pm 0.02$  (0.50)  
 .xxx =  $\pm 0.010$  (0.250)  
 Note: Pin numbers do not appear on the unit.  
 For reference only. Index mark indicates pin 6.

## SM-20



Dimensions in ( ) are in mm.  
 Unless Otherwise Noted: .x =  $\pm 0.04$  (1.00)  
 .xx =  $\pm 0.02$  (0.50)  
 .xxx =  $\pm 0.010$  (0.250)  
 Note: Pin numbers do not appear on the unit.  
 For reference only. Index mark indicates pin 6.

Specifications Subject to Change Without Notice.