

# E-Series RF 16:1 Transformer

## 0.3 - 120 MHz

**ET16-1**

V3.00

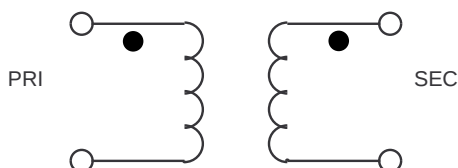
### Features

- 16:1 Impedance Ratio

### Specifications @ 25°C

|                 |               |
|-----------------|---------------|
| Frequency Range | 0.3 - 120 MHz |
| Insertion Loss  | Maximum       |
| 0.3 - 120 MHz   | 6 dB          |
| 0.3 - 70 MHz    | 3 dB          |
| 0.7 - 40 MHz    | 2 dB          |
| 5 - 20 MHz      | 1             |

### Schematic



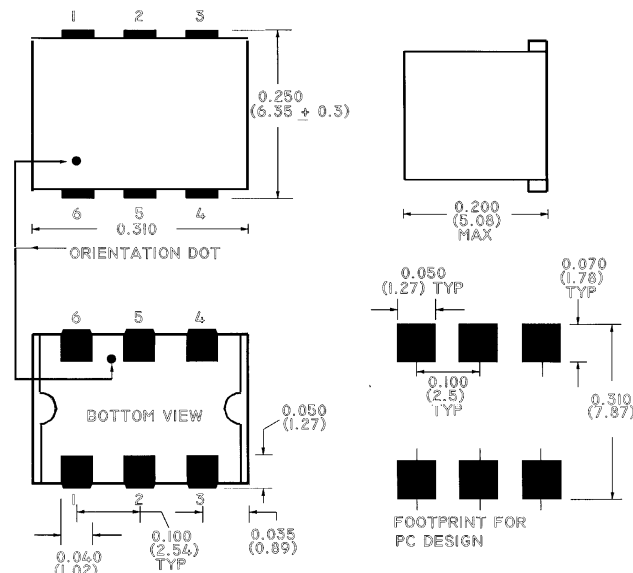
### Ordering Information

| Part No.       | Packaging            |
|----------------|----------------------|
| ET16-1-SM-1    | SM-1 in Tubes        |
| ET16-1-SM-1TR  | SM-1 in Tape & Reel  |
| ET16-1-SM-5    | SM-5 in Tubes        |
| ET16-1-SM-20   | SM-20 in Tubes       |
| ET16-1-SM-20TR | SM-20 in Tape & Reel |
| ET16-1-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



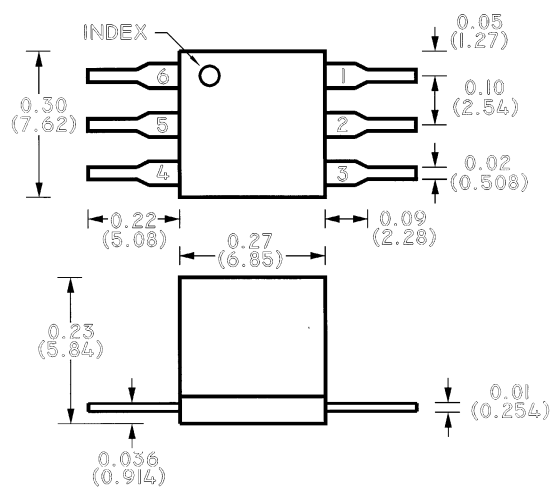
Dimensions in ( ) are in mm.  
Unless Otherwise Noted: .x = ±0.04 (1.00)  
.xx = ±0.02 (0.50)  
.xxx = ±0.010 (0.250)

### Pin Configuration (Typical)

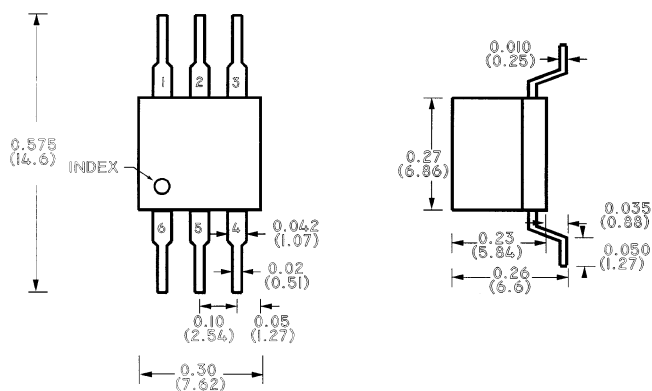
| Function      | Pin No. |
|---------------|---------|
| Primary dot   | 4       |
| Primary       | 6       |
| Secondary dot | 3       |
| Secondary     | 1       |
| Not Connected | 2,5     |

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## SM-5



## SM-20



Dimensions in ( ) are in mm.

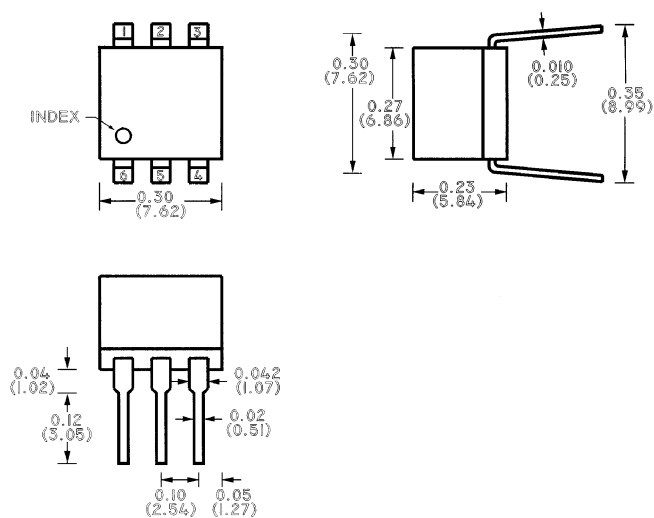
Unless Otherwise Noted: .x = ±0.04 (1.00)

.xx = ±0.02 (0.50)

.xxx = ±0.010 (0.250)

Note: Pin numbers do not appear on the unit.  
For reference only. Index mark indicates pin 6.

## SM-21



Dimensions in ( ) are in mm.

Unless Otherwise Noted: .x = ±0.04 (1.00)

.xx = ±0.02 (0.50)

.xxx = ±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.