

Features

- Low height of 5.65 mm
- Operating temperature -40 °C to +85 °C
- Lead free version available (see How to Order)
- Lead free versions are RoHS compliant*

Applications

- Telecom

SM75057E - T1/E1 Transformer

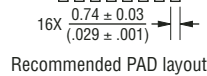
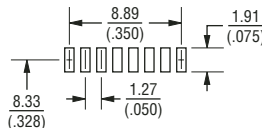
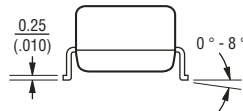
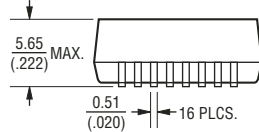
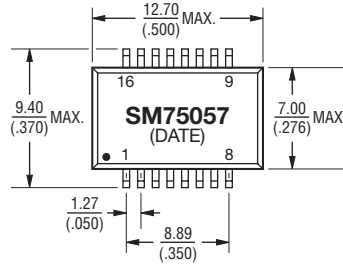
Electrical Specifications @ 25 °C

| | | |
|-------------------------|--|----------|
| OCL (1-3) | mH min. @ 10 kHz, 0.1 V | 1.2 |
| OCL (6-8) | mH min. @ 10 kHz, 0.1 V | 1.2 |
| OCL (1-3) | µH min. @ 10 kHz, 0.1 V, (-40 °C to +85 °C) | 600 |
| OCL (6-8) | µH min. @ 10 kHz, 0.1 V, (-40 °C to +85 °C) | 600 |
| L (1-3) | µH max. @ 100 kHz, 0.1 V short (16-14) | 0.6 |
| L (6-8) | µH max. @ 100 kHz, 0.1 V short (11-9) | 0.6 |
| C _{ww} (16-1) | pF max. @ 100 kHz, 0.1 V | 30 |
| C _{ww} (11-6) | pF max. @ 100 kHz, 0.1 V | 30 |
| 30 Turns Ratio | | |
| (1-3) : (16-14) | 1 : 2 ± 2 % | |
| (6-8) : (11-9) | 1 : 2 ± 2 % | |
| DCR (1-3) | 0.5 to 0.8 ohm | |
| DCR (6-8) | 0.5 to 0.8 ohm | |
| DCR (16-14) | 0.9 to 1.6 ohm | |
| DCR (11-9) | 0.9 to 1.6 ohm | |
| Polarity (1, 16, 6, 11) | Same phase | |
| HIPOT | Between Windings | 2000 VAC |

Packaging Specifications

Tape & Reel.....700 pcs./reel

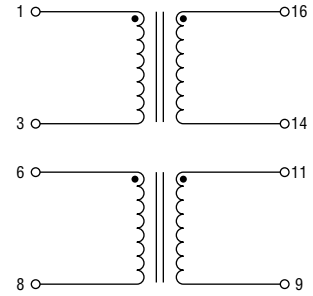
Product Dimensions



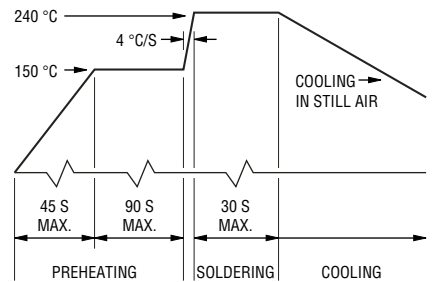
DIMENSIONS ARE: $\frac{\text{MM}}{\text{(INCHES)}}$

TOLERANCE: ± $\frac{0.254}{(0.010)}$

Electrical Schematic



Soldering Profile



How to Order

Model **SM75057E**

Termination
 Blank = Tin-lead
 L = Tin only (lead free)