

### Features

- Small height of 5.65 mm
- Operating temperature -40 °C to +85 °C

### Applications

- Telecom

## SM75056 - E4/STM-1 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 <sub>L</sub> (1-3)	μH max. @ 100 kHz, 0.1 V short (16-14)	0.6
L <sub>L</sub> (6-8)	μH max. @ 100 kHz, 0.1 V short (11-9)	0.6
C <sub>ww</sub> (16-1)	pF max. @ 100 kHz, 0.1 V	30
C <sub>ww</sub> (11-6)	pF max. @ 100 kHz, 0.1 V	30
Turns Ratio	(1-3) : (16-14)	1 : 1.26 ± 2 %
	(6-8) : (11-9)	1 : 1.26 ± 2 %
DCR (1-3)		0.8 ohm max.
DCR (6-8)		0.8 ohm max.
Polarity (1, 16, 6, 11)		Same phase
HIPOT	Between Windings	2000 VAC

#### Contact Area of Pins on the PCB

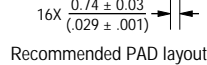
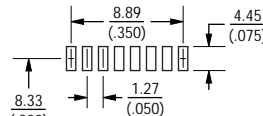
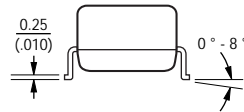
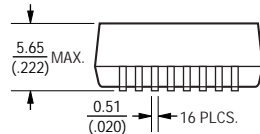
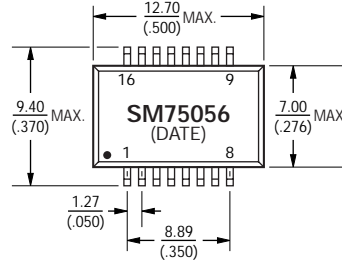
Minimum Total Contact Area .....5 mm<sup>2</sup>

#### Packaging Specifications

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

\*"E" suffix at end of part number designates tape & reel packaging, e.g. SM75056E.

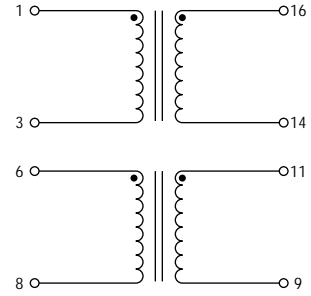
#### Product Dimensions



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

TOLERANCE: ±  $\frac{0.254}{(0.010)}$

#### Electrical Schematic



#### Soldering Profile

