

## Features

- Low height of 5.65 mm
- Operating temperature -40 °C to +85 °C
- RoHS compliant\*



This series is obsolete and not recommended for new designs. **SM75057PEL** is a possible alternative.

## Applications

- Telecom

# SM75057EL - 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
LL (1-3)	μH max. @ 100 kHz, 0.1 V short (16-14)	0.6
LL (6-8)	μH max. @ 100 kHz, 0.1 V short (11-9)	0.6
Cww (16-1)	pF max. @ 100 kHz, 0.1 V	30
Cww (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

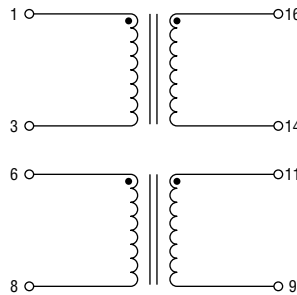
\*\*E" suffix before "L" in part number designates tape & reel packaging, e.g. SM75057EL.

### How To Order

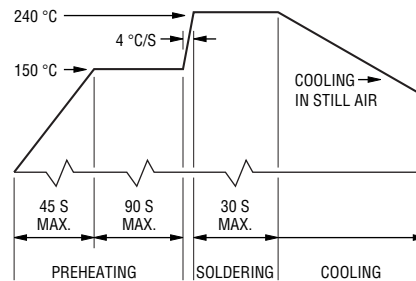
**SM75057E L**

Model \_\_\_\_\_  
Termination \_\_\_\_\_  
L = Tin only (RoHS Compliant)

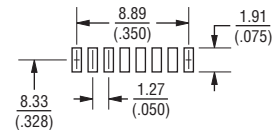
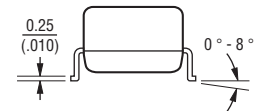
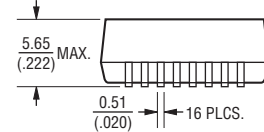
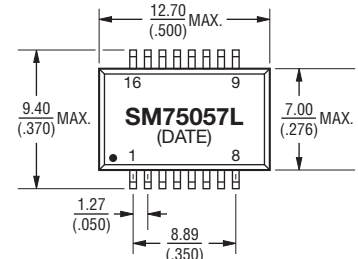
### Electrical Schematic



### Soldering Profile



### Product Dimensions



Recommended PAD layout

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

TOLERANCE:  $\pm \frac{0.254}{(.010)}$