

Features

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

Applications

- Telecom

SM75057 - E4/STM-1 Transformer

Electrical Specifications @ 25 °C

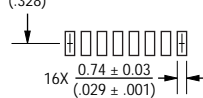
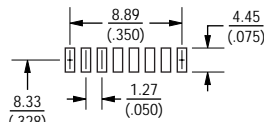
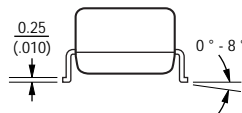
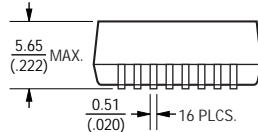
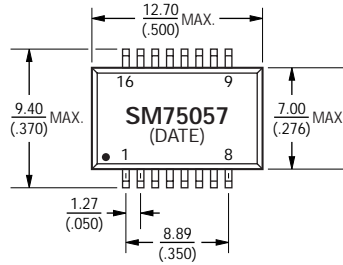
OCL (1-3)	mH min. @ 10 kHz, 0.1 V	1.2
OCL (6-8)	mH min. @ 10 kHz, 0.1 V	1.2
OCL (1-3)	μH min. @ 10 kHz, 0.1 V, (-40 °C to +85 °C)	600
OCL (6-8)	μH min. @ 10 kHz, 0.1 V, (-40 °C to +85 °C)	600
L _i (1-3)	μH max. @ 100 kHz, 0.1 V short (16-14)	0.6
L _i (6-8)	μH max. @ 100 kHz, 0.1 V short (11-9)	0.6
C _{ww} (16-1)	pF max. @ 100 kHz, 0.1 V	30
C _{ww} (11-6)	pF max. @ 100 kHz, 0.1 V	
30 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 at end of part number designates tape & reel packaging, e.g. SM75057E.

Product Dimensions

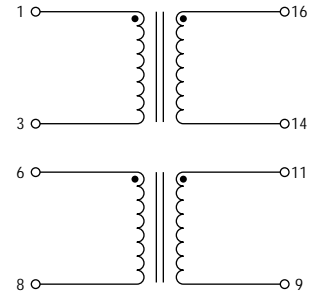


Recommended PAD layout

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

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

Electrical Schematic



Soldering Profile

