

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

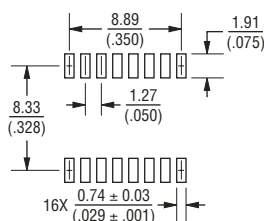
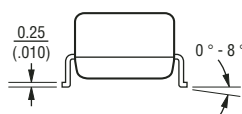
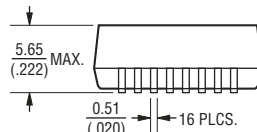
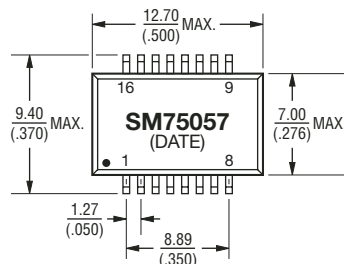
Electrical Specifications @ 25 °C

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 (1-3)	μH max. @ 100 kHz, 0.1 V short (16-14)	0.6
L ₂ (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
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Product Dimensions

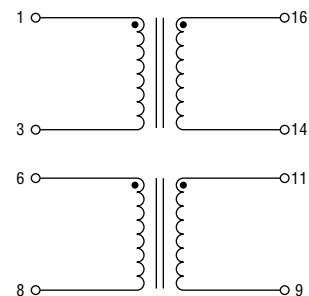


Recommended PAD layout

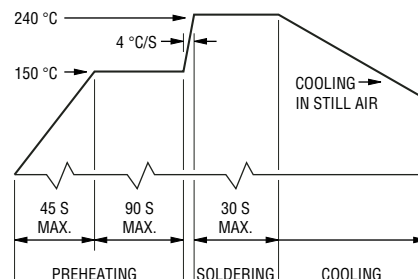
DIMENSIONS ARE: $\frac{\text{MM}}{(\text{INCHES})}$

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

Electrical Schematic



Soldering Profile



How to Order

Model **SM75057E**

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