Features
- Low profile: 5.65 mm
- Wide operating temperature range: -40 to +85 °C
- RoHS compliant

Applications
- Telecom

SM75056PEL - T1/E1 Transformer

Electrical Specifications @ 25 °C

OCL (1-3 and 6-8)
- mH min. (+25 to +85 °C)
  @ 10 kHz, 0.1 V ......................... 1.2
- mH min. (-40 °C)
  @ 10 kHz, 0.1 V ......................... 0.6
L-Leakage (1-3 with 14-16 short)
- μH max. @ 100 kHz, 0.1 V ......... 0.6
L-Leakage (6-8 with 9-11 short)
- μH max. @ 100 kHz, 0.1 V ......... 0.6
DCR (1-3 and 6-8) .................. 0.8 Ω max.
Capacitance (1-16 and 6-11)
- pF max. @ 100 kHz, 0.1 V ........... 30
Turns Ratio
  (1-3) : (16-14) ............... 1 : 1.26 ±5 %
  (6-8) : (11-9) ............... 1 : 1.26 ±5 %
HIPOT .......................... 2K Vrms for 60 sec.
Storage Temperature.............-40 to +125 °C
Operating Temperature...........-40 to +85 °C

Packaging Specifications

Tape & Reel*....................... 600 pcs./reel

**E** suffix before “L” in part number designates tape & reel packaging, e.g. SM75056PEL.

How To Order

SM75056 PE L

Model
Construction
P = Potted
Packaging
E = Tape and Reel (600 pcs./reel)
Termination
L = Tin only (RoHS Compliant)

Electrical Schematic

Recommended Layout

Soldering Profile

Ramp-up rate = 3 °C/sec. max.
Ramp-down rate = 6 °C/sec. max.
T_L = 217 °C
T_L = 60-150 sec.
T_P = 250 °C ±3 °C
Time within 5 °C of actual Peak Temp (t_p) = 20-40 sec.
T_g min = 150 °C
T_g max = 200 °C
T_g min to T_g max = 60-180 sec., 25 °C to Peak Temperature = 8 min. max.

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SM75056PEL - T1/E1 Transformer

Packaging Specifications

User Direction of Feed
600 Pcs. Per Reel

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