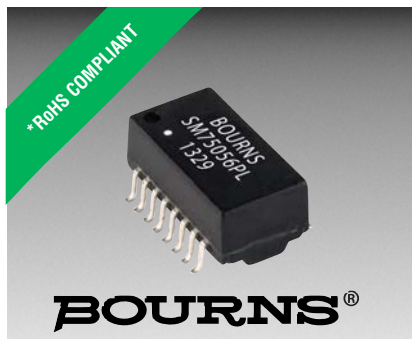




Features

- 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

OCL (1-3 and 6-8)
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.

Cww (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

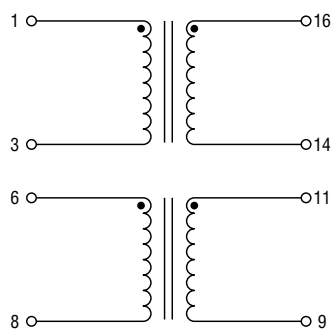
Model **SM75056 P E L**

Construction
P = Potted

Packaging
E = Tape and Reel (600 pcs./reel)

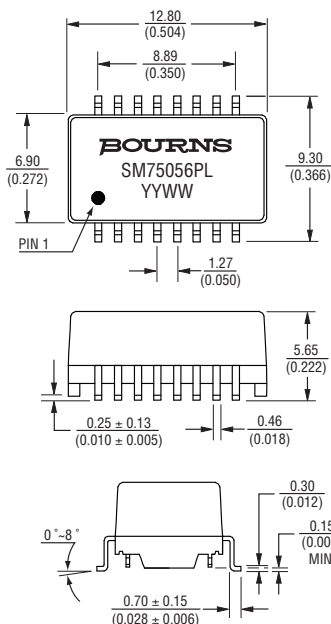
Termination
L = Tin only (RoHS Compliant)

Electrical Schematic

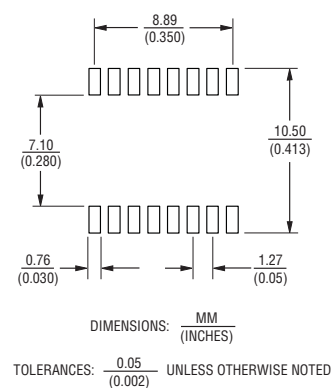


WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

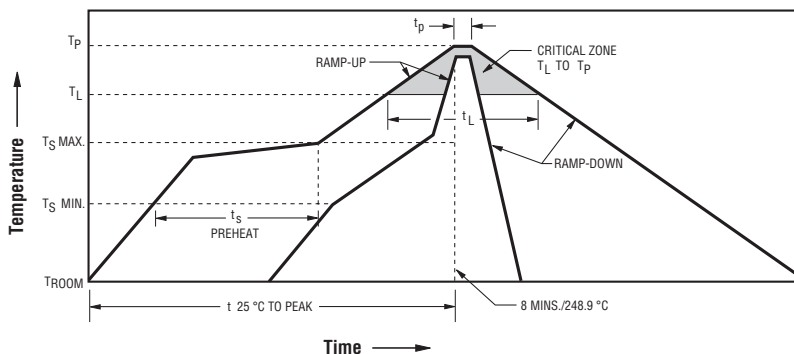
Product Dimensions



Recommended Layout



Soldering Profile



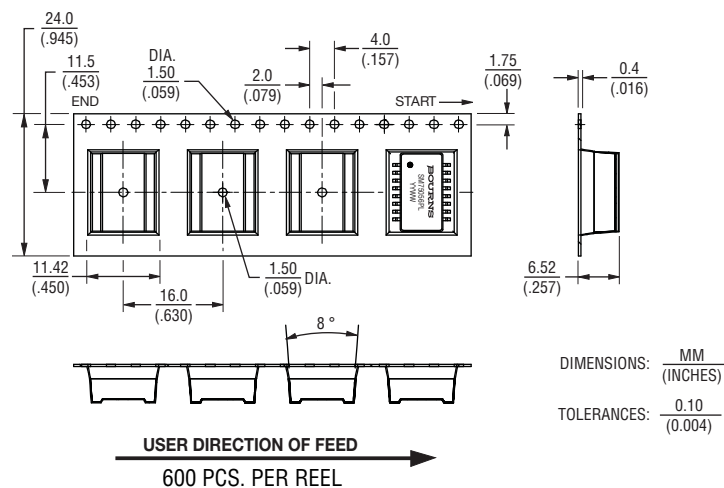
Ramp-up rate = 3 °C/sec. max.
Ramp-down rate = 6 °C/sec. max.
T_L = 217 °C t_L = 60-150 sec.
T_p = 250 °C ± 3 °C
Time within 5 °C of actual Peak Temp (t_p)² = 20-40 sec.
T_S min = 150 °C T_S max = 200 °C
T_S min to T_S max = 60-180 sec., 25 °C to Peak Temperature = 8 min. max.

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
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SM75056PEL - T1/E1 Transformer

BOURNS®

Packaging Specifications



BOURNS®

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