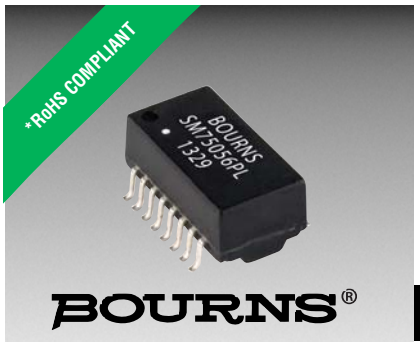


Features

- 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

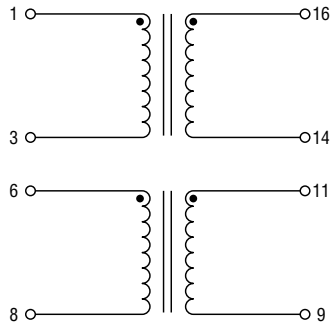
*"E" suffix before "L" in part number designates tape & reel packaging, e.g. SM75056PEL.

How To Order

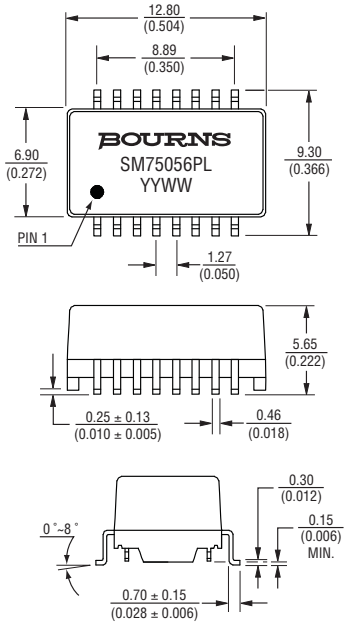
SM75056 P E L

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

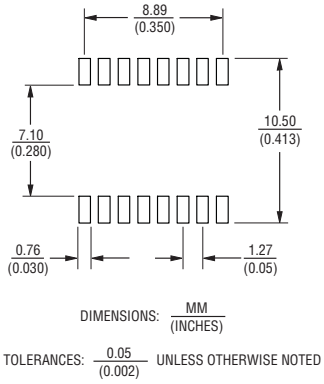
Electrical Schematic



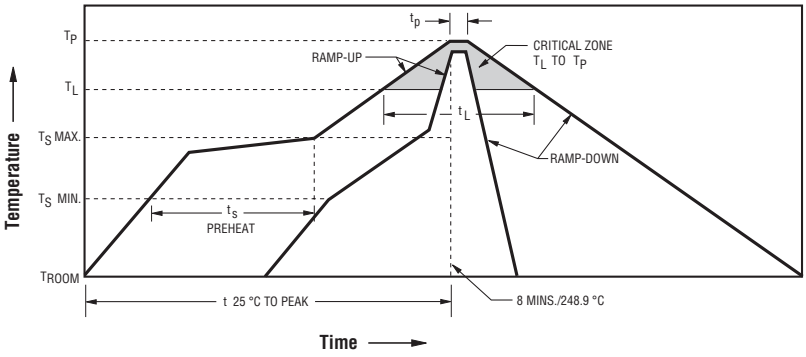
Product Dimensions



Recommended Layout



Soldering Profile

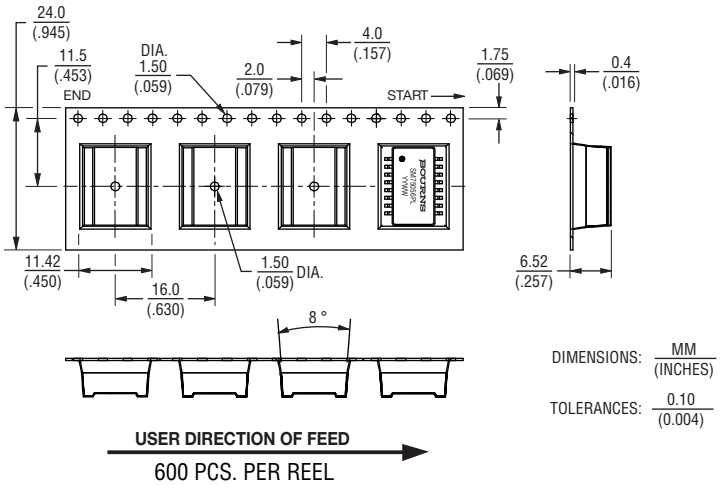


Ramp-up rate = 3 °C/sec. max.
T_L = 217 °C t_L = 60-150 sec.
T_S min = 150 °C Ts max = 200 °C

Ramp-down rate = 6 °C/sec. max.
Time within 5 °C of actual Peak Temp (t_p)2 = 20~40 sec.
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.
Specifications are subject to change without notice.
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
Users should verify actual device performance in their specific applications.

Packaging Specifications



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