

Features

- EP10 structure, push-pull design
- Developed for use with TI SN6507
- 24 V to 15 V application
- Working voltage: 400 V per functional insulation
- Hi-Pot: 2.5k VAC, 1 mA, 60 sec.
- Compliant with IEC/UL 62368-1
- RoHS* and REACH compliant

SM91207L Push-Pull Transformer

Additional Information

Click these links for more information:











INVENTORY **SAMPLES**

CONTACT

Electrical Specifications @ 25 °C

Primary Inductance (1 V at 100 kHz) L(1-4), tie Pin 2,3430 μH ±35 % Leakage Inductance (100 kHz/0.1 V) L(1-4, tie Pin 2,3; short Pin 5,6,7,8)..... 1.6 μ H max. DC Resistance NP1 (1-2)............... 0.35 Ω max. NP2 (3-4)..... 0.4 Ω max. NS1 (8-7)................ 0.3 Ω max. NS2 (6-5)..... 0.3 Ω max. Turns Ratio (8-5):(1-4) Pin 2,3 tied; Pin 6-7 tied.....0.733 ±3 % Volt Second on Half of Primary (unipolar operation)25.0 $V\mu$ s min. Clearance and Creepage Distance between Primary and Secondary2 mm min. Hi-Pot (P-S)2.5k VAC,1 mA, 60 sec. Operating Temperature Range -40 °C to +125 °C Storage Temperature Range-40 °C to +125 °C

Packaging Specification

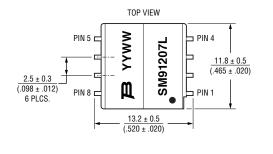
E = 200 pcs. per 13-inch Reel

Tape & Reel..... 200 pcs. per 13-inch reel

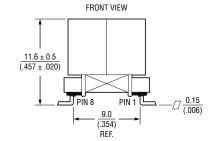
Moisture Sensitivity Level.....1

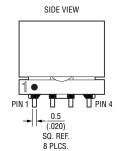
How To Order SM91207 L-E Model RoHS Compliancy Designator Packaging

Product Dimensions

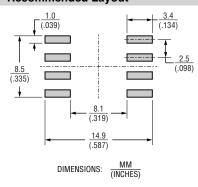


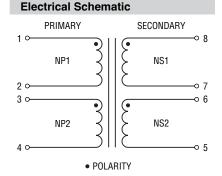
ММ DIMENSIONS: (INCHES)





Recommended Layout





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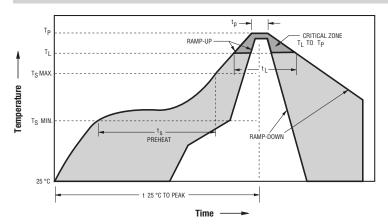


WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

SM91207L Push-Pull Transformer

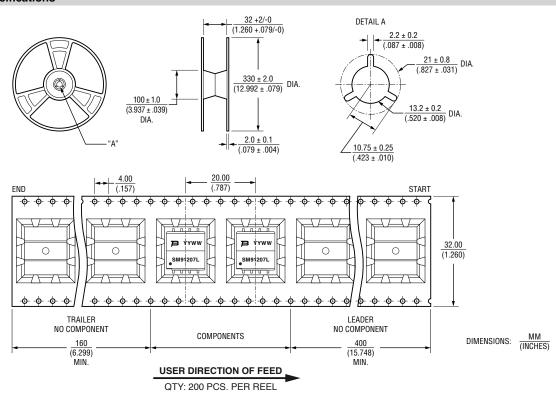
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Reflow Solder Profile



Profile Feature	Pb-Free Assembly
Average Ramp-Up Rate	3 °C / second max.
PREHEAT: Temperature Min. (T _{smin}) Temperature Max. (T _{smax}) Time (T _{smin} to T _{smax})	150 °C 200 °C 60~180 seconds
Liquidus Temperature (T _L)	217 °C
Time Above Liquidus Temperature (t _L)	60~150 seconds
Peak Temperature (T _p)	245-250 °C
Time within 5 °C of Actual Peak Temperature (t _p)	20~40 seconds
Ramp-Down Rate from Peak Temperature	6 °C / second max
Time 25 °C to Peak Temperature (T _p)	8 minutes max.
Do Not Exceed	250 °C

Packaging Specifications



REV. 03/24

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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