

Features

- IEEE 802.3bt Type 3 4PPoE Ethernet compatible
- Dual-port
- PoE++ capable
- RoHS compliant*

SM13143EL - 10/100/1000 Base-T Transformer

Electrical Specifications @ 25 °C

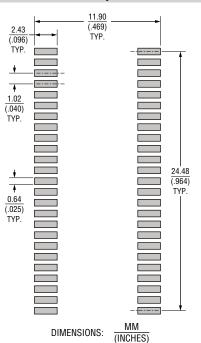
Inductance (@ 100 kHz, 0.1 V, 8 mA)350 μH min. Leakage Inductance (100 kHz, 0.1 V) $0.5 \,\mu\text{H}$ max. DCR......1400 m Ω max. Turns Ratio (1CT:1CT) ±5 % Insertion Loss 1-100 MHz.....-1.1 dB max. Return Loss 1-30 MHz.....-18 dB min. 40 MHz.....-14.4 dB min. 50 MHz.....-13.1 dB min. 60-80 MHz.....-12 dB min. 100 MHz.....-10 dB min. 1-100 MHz.....-30 dB min. Common Mode Rejection 1-100 MHz.....-30 dB min. PoE++.....60W Each channel supports 700 mA DC balance current Full channels support 1400 mA DC balance current Hi-Pot......1500 Vac, 1 mA, 60 s Operating Temperature....0 °C to +70 °C

Packaging Specifications

Tape & Reel.......350 pcs./reel

Storage Temperature -40 °C to +85 °C

Recommended Layout



How To Order SM13143 E L Packaging E = Tape and Reel Termination L = Tin finish (RoHS Compliant)

Additional Information

Click these links for more information:











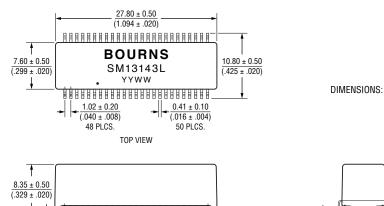
INVENTORY SAMPLES

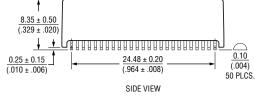
CONTACT

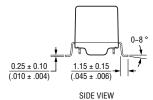
MM

(INCHES)

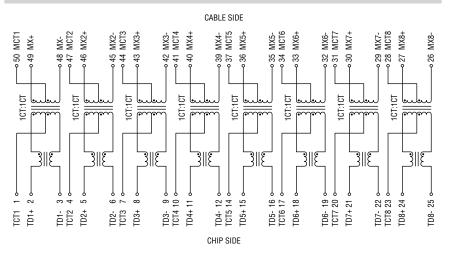
Product Dimensions







Electrical Schematic





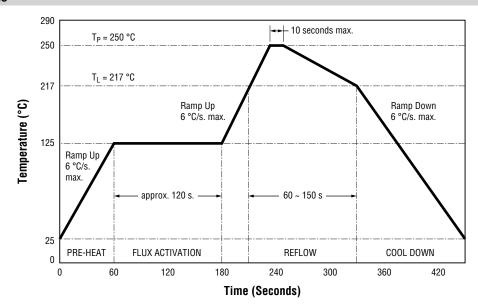
WARNING

Cancer and Reproductive Harm www.P65Warnings.ca.gov

*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

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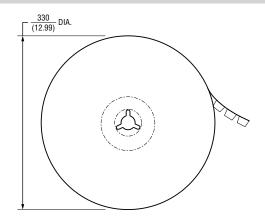
Soldering Profile

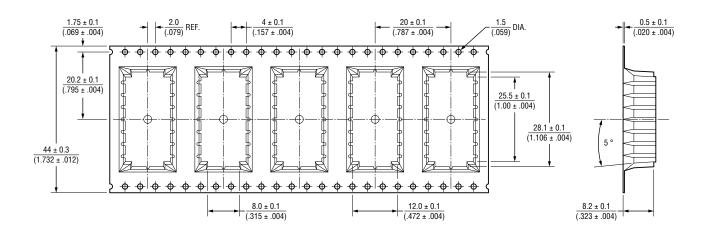


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BOURNS

Packaging Specifications







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