

Features

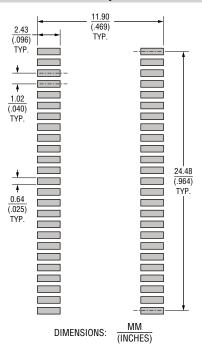
- IEEE 802.3bt Type 3 4PPoE Ethernet compatible
- Dual-port
- PoE++ capable
- RoHS compliant*

Electrical Specifications @ 25 °C

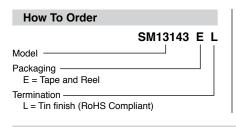
Inductance (@ 100 kHz, 0.1 V, 8 mA)
350 μH min.
Leakage Inductance (100 kHz, 0.1 V)
0.5 μH max.
DCR 1400 mΩ max.
Turns Ratio (1CT:1CT) ±5 %
Insertion Loss
1-100 MHz1.1 dB max.
Return Loss
1-30 MHz18 dB min.
40 MHz14.4 dB min.
50 MHz13.1 dB min.
60-80 MHz12 dB min.
100 MHz10 dB min.
Cross Talk
1-100 MHz30 dB min.
Common Mode Rejection
1-100 MHz30 dB min.
PoE++60W
Each channel supports
700 mA DC balance current
Full channels support
1400 mA DC balance current
Hi-Pot1500 Vac, 1 mA, 60 s
Operating Temperature0 °C to +70 °C
Storage Temperature40 °C to +85 °C
Packaging Specifications

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

Recommended Layout



SM13143EL - 10/100/1000 Base-T Transformer

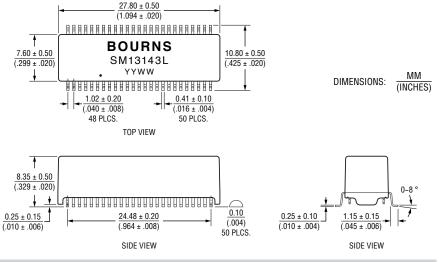


Product Dimensions

Additional Information

Click these links for more information:





Electrical Schematic

CABLE SIDE MX2-MCT3 40 MX4+ MX5-MCT6 MX7-MCT8 MX-MCT2 MX3-MCT4 MX6-MCT7 MCT1 MX2+ MX3+ MX4-MCT5 MX5+ MX6+ MX7+ MX8+ MX8-MX+ 50 49 33 29 28 48 46 45 43 41 39 37 36 35 34 31 30 27 26 G G 더 1CT 더 CT G CT 1CT:-1CT:-1CT:-1CT:-1CT:-1CT:-1CT: Ü. ~ 3||2 3||8 3||8 3|| 3|| 3| TD4+ 11 • rD6+ 18 e TD8+ 24 ŝ S ധ ω 6 Q 47 15 15 19 20 TD7+ 21 25 22 TD1-TCT2 TD2+ . +301 rd2-rct3 rd3+ rd4-rct5 rd5-rct6 ICT1 rD1+ rd7-rct8 rd3-rct4 rd6-FD8-CHIP SIDE



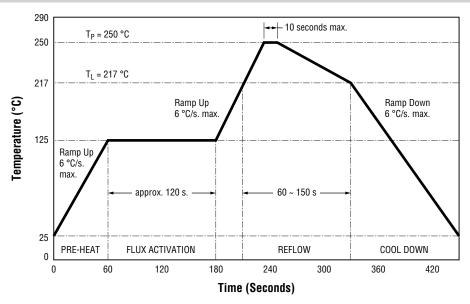
*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

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SM13143EL - 10/100/1000 Base-T Transformer

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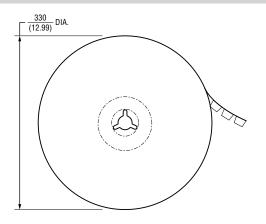


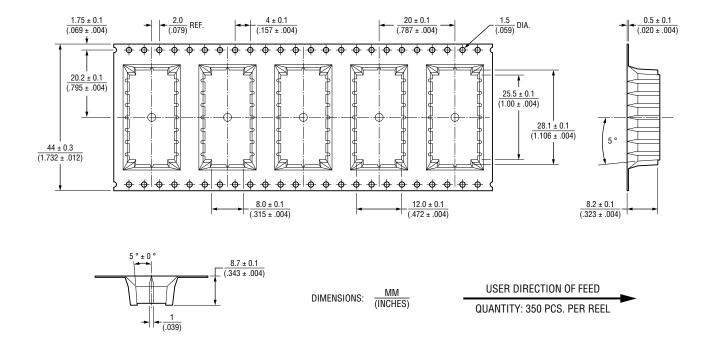


SM13143EL - 10/100/1000 Base-T Transformer

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Packaging Specifications





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