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Features

- IEEE 802.3 Ethernet compatible
- 10 GbE
- PoE+
- RoHS compliant* and halogen free**

SM43P01EL - 10 GbE Chip LAN Transformer Module

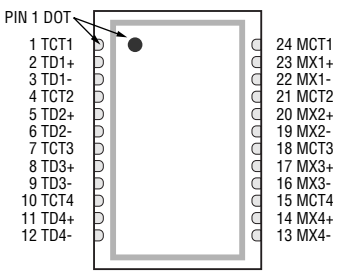
Electrical Specifications @ 25 °C

Inductance
..... 120 µH min. @ 100 kHz, 0.1 V
Insertion Loss (TD-MX)
1-500 MHz..... -3.0 dB max.
Return Loss (TD-MX)
1-40 MHz..... -16 dB min.
40 ≤ f ≤ 500 MHz
.....-(16-10 log (f/40)) min.
Cross Talk
1-500 MHz..... -30 dB min.
DCMR (TD-MX)
1-250 MHz..... -22 dB min.
250-550 MHz..... -18 dB min.
Hi-Pot.....1500 Vac, 60 s
PoE+ Current.....600 mA
Operating Temperature....0 °C to +85 °C
Storage Temperature....-25 °C to +85 °C

Packaging Specifications

Tape & Reel..... 800 pcs./reel

Pin Layout



How To Order

SM43P01 E L

Model
Packaging
E = Tape and Reel (800 pcs. per reel)
Termination
L = Tin (RoHS Compliant)

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

* RoHS Directive 2015/863, Mar 31, 2015 and Annex.
** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

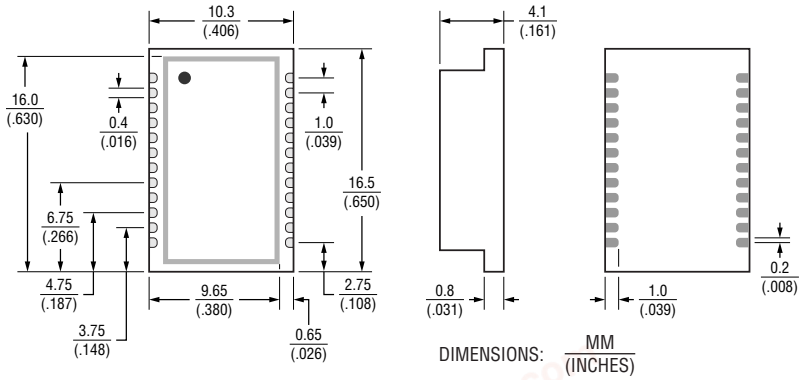
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Additional Information

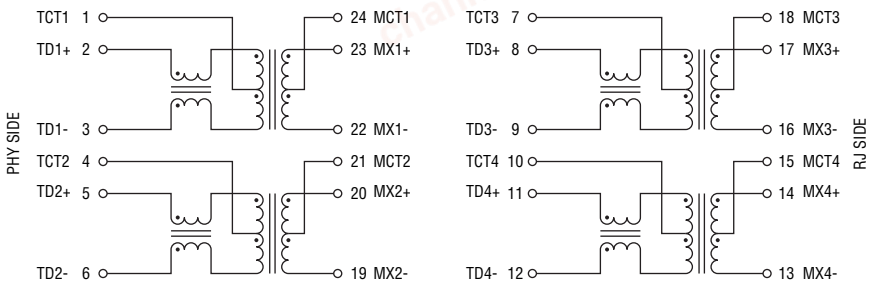
Click these links for more information:

PRODUCT | TECHNICAL LIBRARY | INVENTORY | SAMPLES

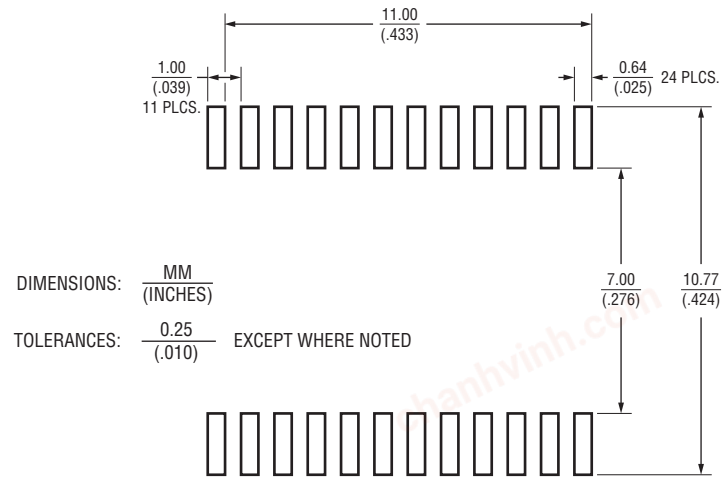
Product Dimensions



Electrical Schematic



Recommended Layout

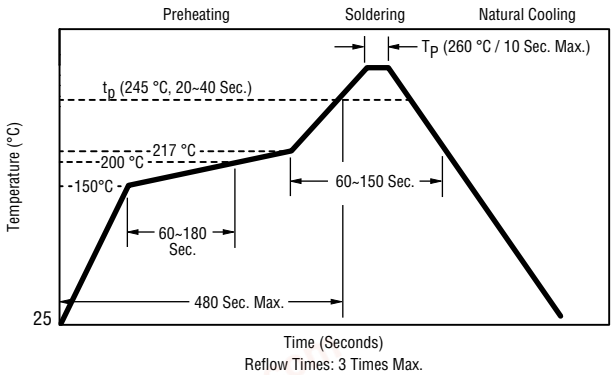


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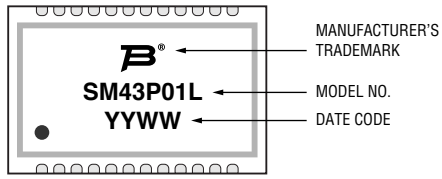
BOURNS®

Solder Profile

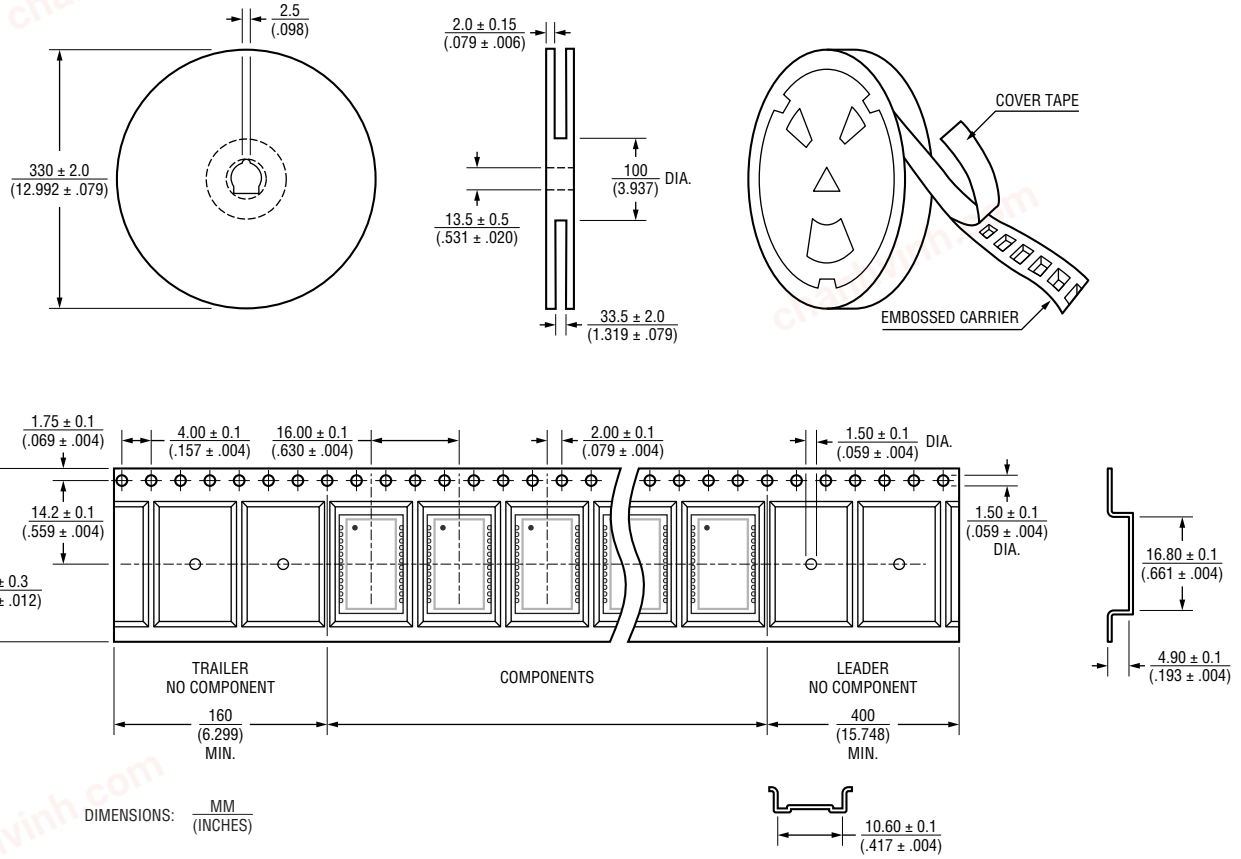


Reflow Times: 3 Times Max.

Typical Part Marking



Packaging Specifications



QTY: 800 PCS. PER REEL

01/21

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