



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 μ H 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 \leq f \leq 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

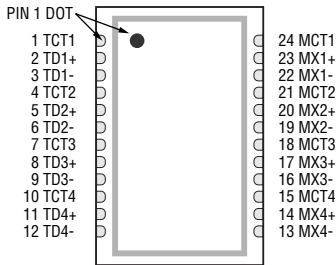
Operating Temperature.... 0 °C to +85 °C

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.

Specifications are subject to change without notice.
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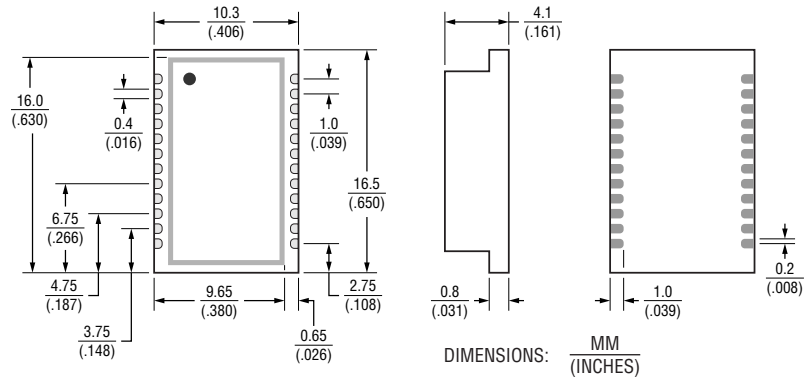


[INVENTORY](#)

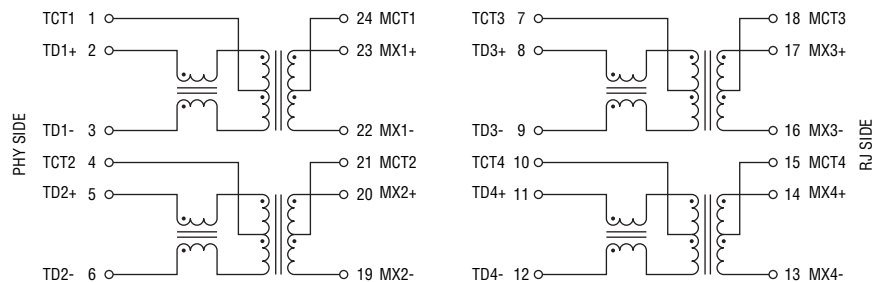


[SAMPLES](#)

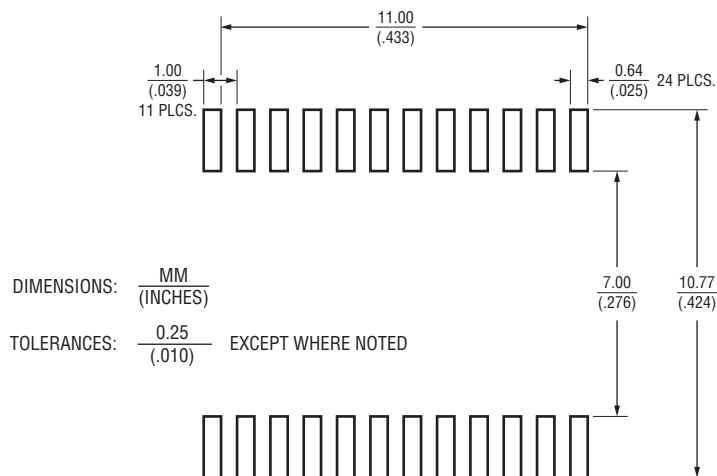
Product Dimensions



Electrical Schematic



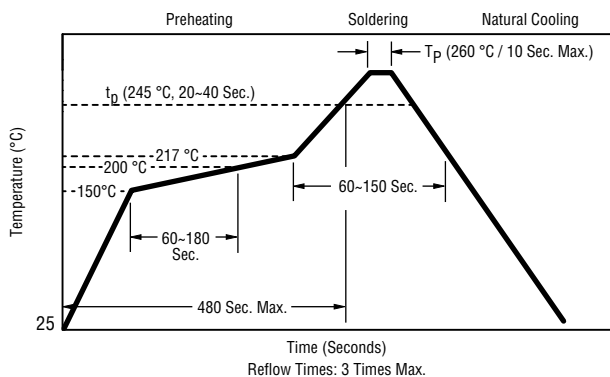
Recommended Layout



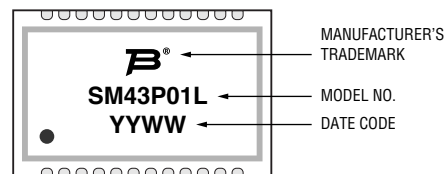
SM43P01EL - 10 GbE Chip LAN Transformer Module

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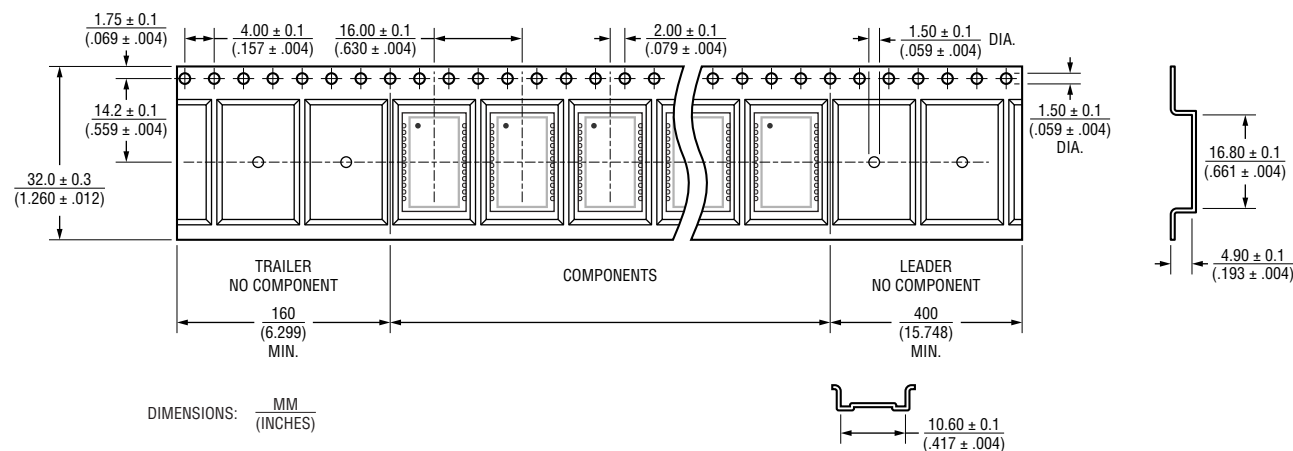
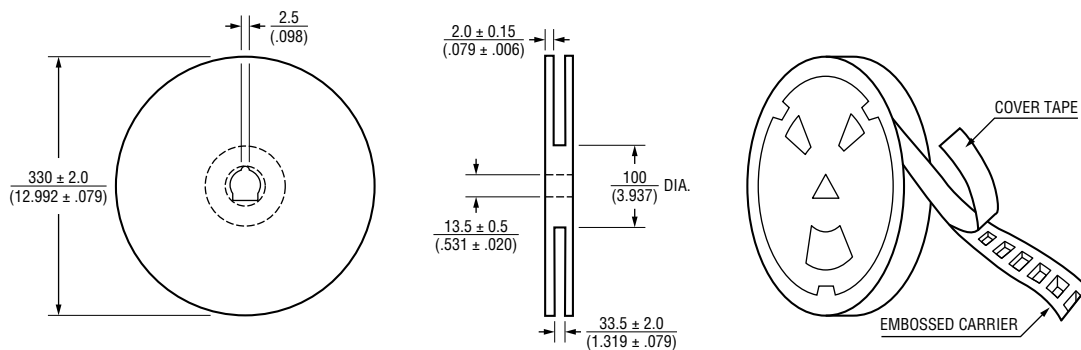
Solder Profile



Typical Part Marking



Packaging Specifications



USER DIRECTION OF FEED

QTY: 800 PCS. PER REEL

01/21

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