

Features

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

SM43001EL - 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 ≤ f ≤ 500 MHz

.....-(16-10 log (f/40) min.)

Cross Talk

1-500 MHz.....--30 dB min.

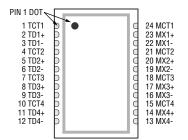
DCMR (TD-MX)

1-250 MHz.....-22 dB min. 250-550 MHz....-18 dB min.

Packaging Specifications

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

Pin Layout



How To Order

	SM43001	Ε	L
Model ————			
Packaging — E = Tape and Reel (800 p	cs. 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

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PRODUCT







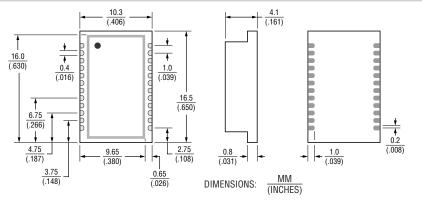
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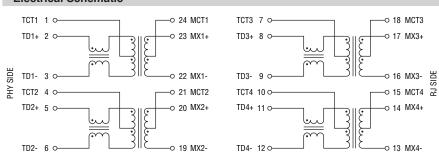
<u>INVENTORY</u>

SAMPLES

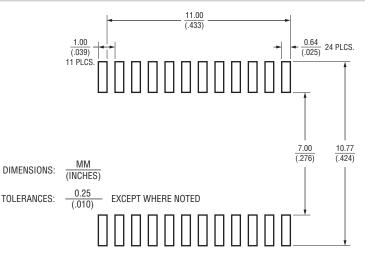
Product Dimensions



Electrical Schematic



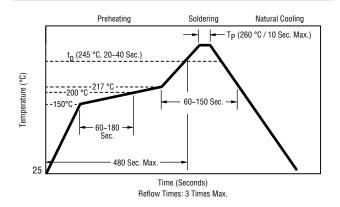
Recommended Layout



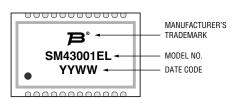
SM43001EL - 10 GbE Chip LAN Transformer Module

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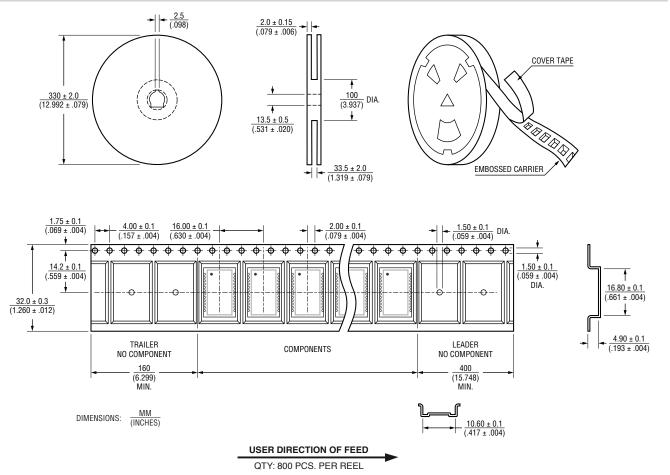
Solder Profile



Typical Part Marking



Packaging Specifications



01/13/21

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