

Features

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

SM42002EL - 2.5 GbE Chip LAN Transformer Module

Electrical Specifications @ 25 °C

Inductance

...... 230 µH min. @ 100 kHz, 0.1 V Insertion Loss (TD-MX)

1-50 MHz.....-0.5 dB max. 50-125 MHz.....-1.0 dB max. Return Loss (TD-MX)

1-125 MHz.....-15 dB min.

NEXT 1-40 MHz.....-35 dB min. 40-125 MHz.... -35+15log10(f/40) min.

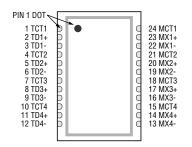
FEXT

1-100 MHz......43-20log10(f/100) min. Hi-Pot......1500 Vac, 60 s Operating Temperature....0 °C to +85 °C Storage Temperature......0 °C to +85 °C

Packaging Specifications

Tape & Reel...... 400 pcs./reel

Pin Layout



How To Order

	SM42002	Ε	L
Model —			
Packaging ———————————————————————————————————	nor rool)		

E = Tape and Reel (400 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 (CI) 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:



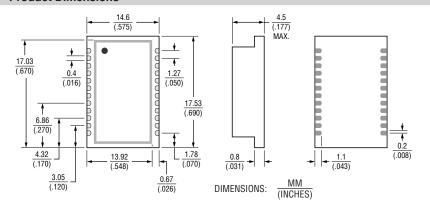




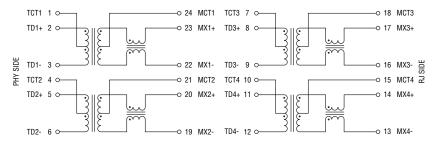




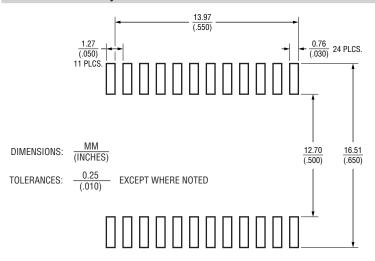
Product Dimensions



Electrical Schematic



Recommended Layout

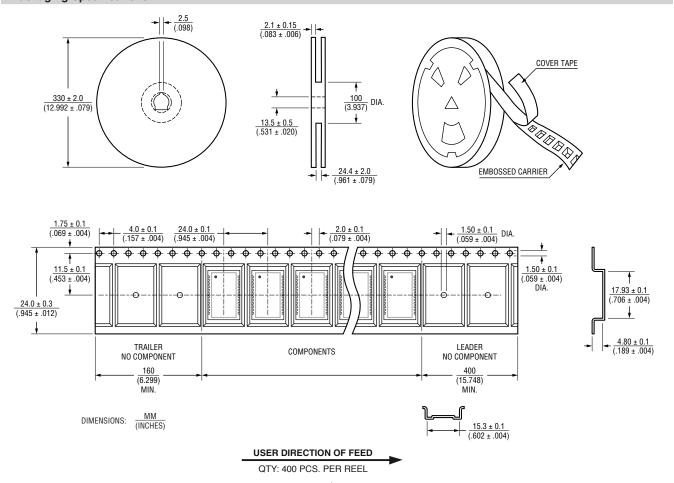


SM42002EL - 2.5 GbE Chip LAN Transformer Module

BOURNS

Typical Part Marking MANUFACTURER'S TRADEMARK SM42002EL — MODEL NO. YYWW — DATE CODE

Packaging Specifications



REV. 01/22

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