

Features

- IEEE 802.3 Ethernet compatible
- 10/100 Mbps
- Expanded temperature range: -40 to +85 °C
- RoHS compliant*

SM41126EL - 10/100 Base-Tx Chip LAN Transformer Module

Electrical Specifications @ 25 °C

Inductance (@ 100 kHz, 0.1 V, 8 mA) 350 μ H min. Insertion Loss (TD-MX) 1-100 MHz.....-1.2 dB max. Return Loss (TD-MX) 1-30 MHz.....-18 dB min. 40 MHz.....-15.5 dB min. 50 MHz.....-13.5 dB min. 60-80 MHz.....-10 dB min. DCMRR (TD to TX) 1-60 MHz.....-33 dB min. 60-100 MHz....-26 dB min. Cross Talk (between each channel) 1-100 MHz.....-38 dB min. Hi-Pot Test 1500 Vac, 60 s Operating Temperature.-40 °C to +85 °C Storage Temperature....-40 °C to +85 °C Moisture Sensitivity Level.....1

Packaging Specifications

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

ESD Classification (HBM).....N/A

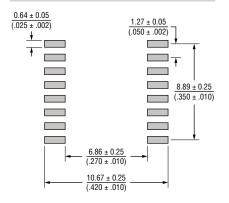
How To Order

Model SM41126 E L

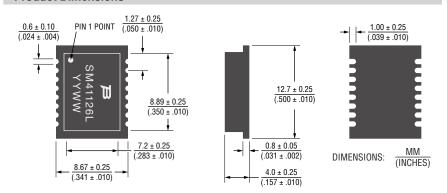
Model Packaging E = Tape and Reel

Termination L = Tin finish (RoHS Compliant)

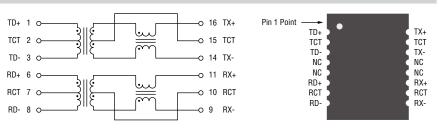
Recommended Layout



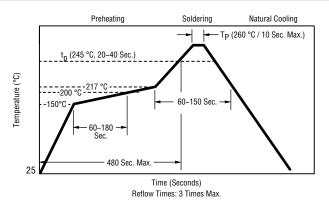
Product Dimensions



Electrical Schematic



Solder Profile



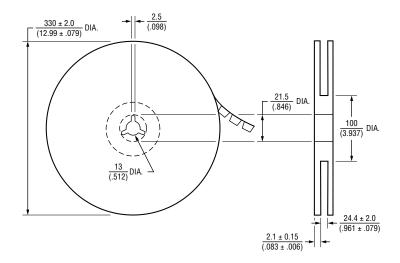


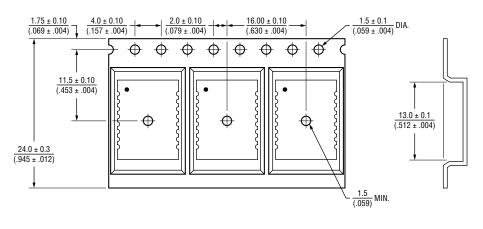
WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

SM41126EL - 10/100 Base-Tx Chip LAN Transformer Module

BOURNS

Packaging Specifications





DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$ USER DIRECTION OF FEED QUANTITY: 800 PCS. PER REEL

BOURNS®

Asia-Pacific: Tel: +886-2 2562-4117 • Email: asiacus@bourns.com

EMEA: Tel: +36 88 885 877 • Email: eurocus@bourns.com

The Americas: Tel: +1-951 781-5500 • Email: americus@bourns.com

www.bourns.com

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Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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