

Features

- IEEE 802.3 Ethernet compatible
- Discrete transformers and common mode chokes for flexible PCB layout
- Pair with common mode choke SRF2012A-801Y for EMI reduction
- Expanded temperature range: -40 to +85 °C
- RoHS compliant*

SM453229-231N7Y - 10/100/1000 Base-T PoE+ Chip LAN Transformer

Electrical Specifications at 25 °C

Inductance

@ 100 kHz, 0.1 V, 0 mADC (Pin 1-2 & 6-7 / short 3-4)

......230 µH min.

Inductance - DC Bias

@ 100 kHz, 0.1 V, 15 mA DC

(Pin 1-2 & 6-7 / short 3-4)

......200 µH min. Turns Ratio (± 3 %)

(Pin 1-2: 6-7 / short 3-4)1: 1

Insertion Loss (1-100 MHz)

.....-1.5 dB max.

Capacitance

(Pin 5-3 / short 3-4)35 pF typ. PoE+ Current......700 mA

Hi-Pot (Pin 1 to 6, short 3-4)

......1500 VAC, 60 sec.

Operating Temperature..... -40 to +85 °C Storage Temperature...... -40 to +85 °C

Packaging...... 2000 pcs. / reel

Additional Information

Click these links for more information:



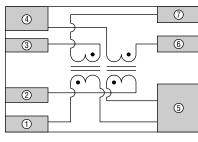


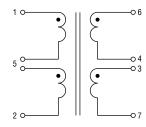






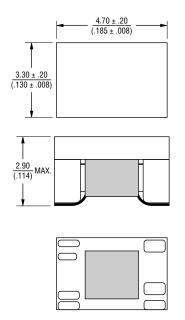
Electrical Schematic

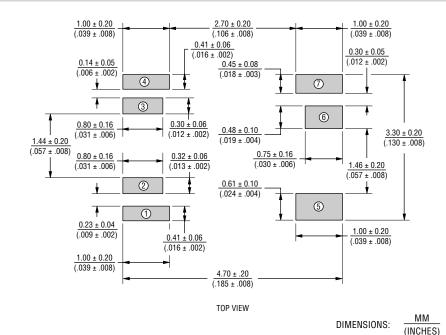




TOP VIEW

Product Dimensions

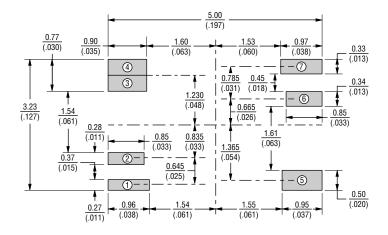




WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

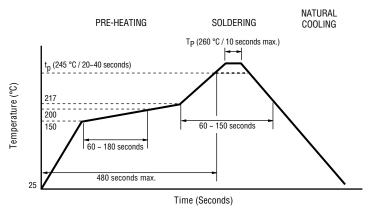
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Recommended Pad Layout



MMDIMENSIONS: (INCHES)

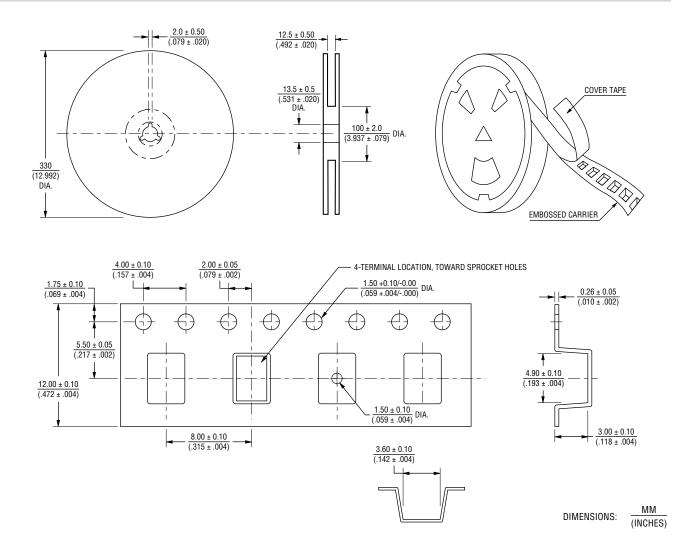
Soldering Profile



REFLOW TIMES: 3 MAX.

SM453229-231N7Y - 10/100/1000 Base-T PoE+ Chip LAN Transformer **BOURNS**°

Packaging Specifications



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