

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*

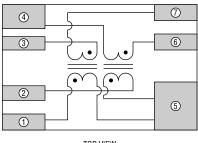
SM453229-381N7Y - 10/100/1000 Base-T Chip LAN Transformer

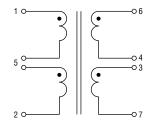
Electrical Specifications at 25 °C

Inductance @ 100 kHz, 0.1 V, 0 mADC (Pin 1-2 & 3-4 / short 6-7) 380 μH min. Inductance - DC Bias @ 100 kHz, 0.1 V, 8 mA DC (Pin 1-2 & 3-4 / short 6-7) 350 μH min. Turns Ratio (±3%) Pin 1-2 & 3-4 / short 6-7.....1:1 Insertion Loss (1-100 MHz)-1.5 dB max. Capacitance (Pin 3-4).....35 pF typ. Hi-Pot (Pin 1 to 6, short 3-4)1500 VAC, 60 sec.

Pulse Voltage..... 2400 V, 1.2/50 μ S Operating Temperature.....-40 to +85 °C Storage Temperature-40 to +85 °C Packaging......2000 pcs. / reel

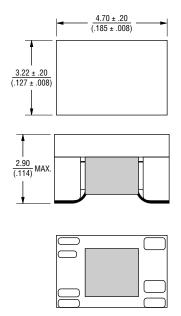
Electrical Schematic

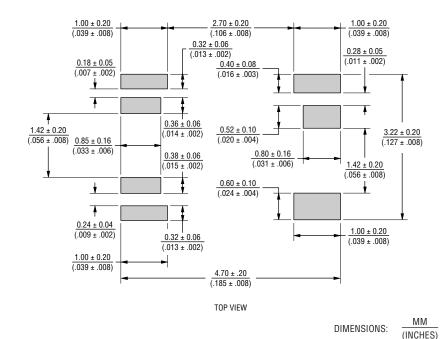




TOP VIEW

Product Dimensions



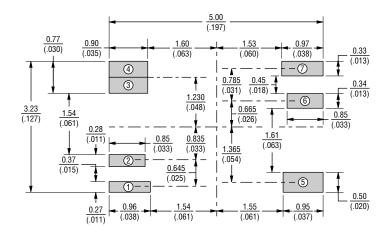




WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

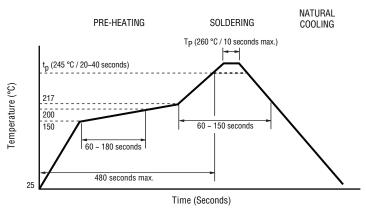
RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice.

Recommended Pad Layout



MMDIMENSIONS: (INCHES)

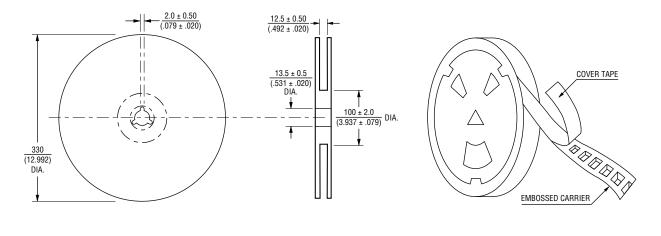
Soldering Profile

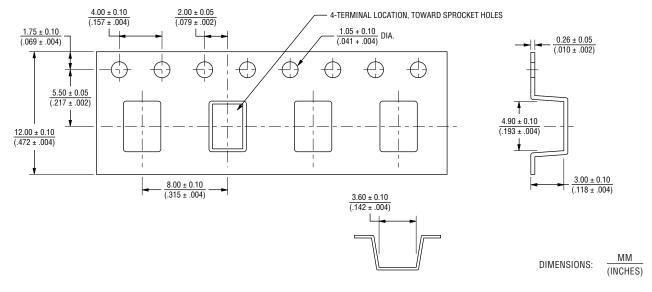


REFLOW TIMES: 3 MAX.

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Packaging Specifications





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REV. 02/19

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Users should verify actual device performance in their specific applications.

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