



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

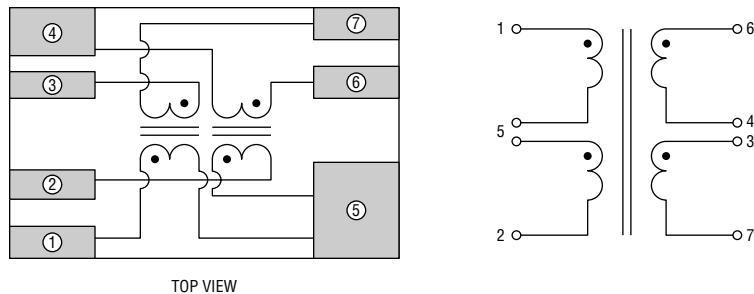
Inductance	
@ 100 kHz, 0.1 V, 0 mADC (Pin 1-2 & 6-7 / short 3-4) 380 μ H min.
Inductance – DC Bias	
@ 100 kHz, 0.1 V, 8 mA DC (Pin 1-2 & 6-7 / short 3-4) 350 μ H min.
Turns Ratio ($\pm 3\%$)	
(Pin 1-2 : 6-7 / short 3-4).....	1 : 1
Insertion Loss (1-100 MHz)	
.....	-1.5 dB max.
Capacitance	
(Pin 5-3 / short 3-4).....	35 pF typ.
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

Additional Information

Click these links for more information:

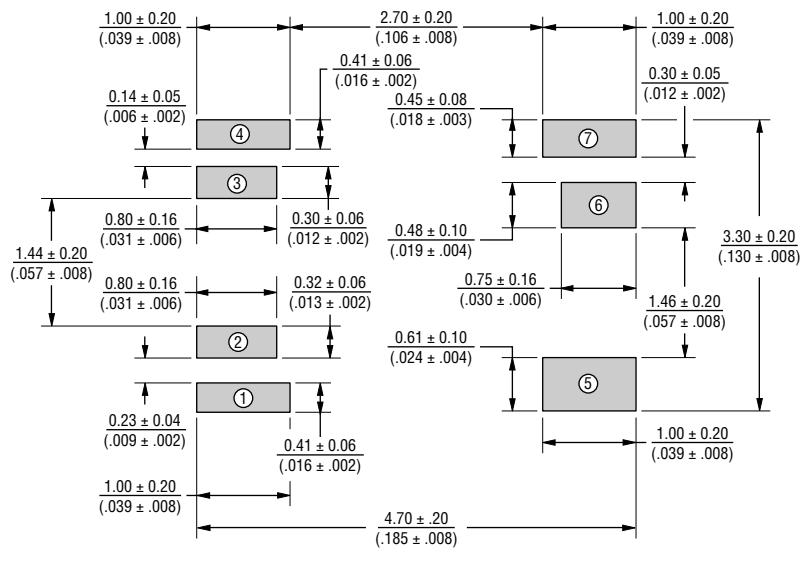
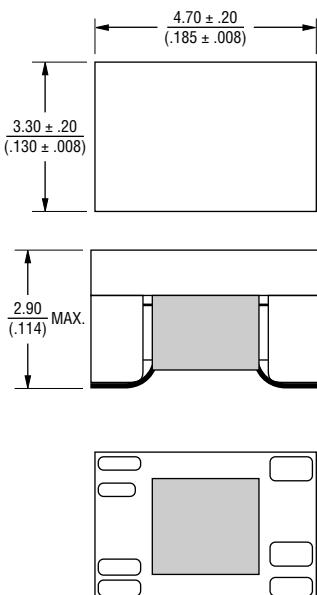


Electrical Schematic



TOP VIEW

Product Dimensions



DIMENSIONS: MM
(INCHES)



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

*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

Specifications are subject to change without notice.

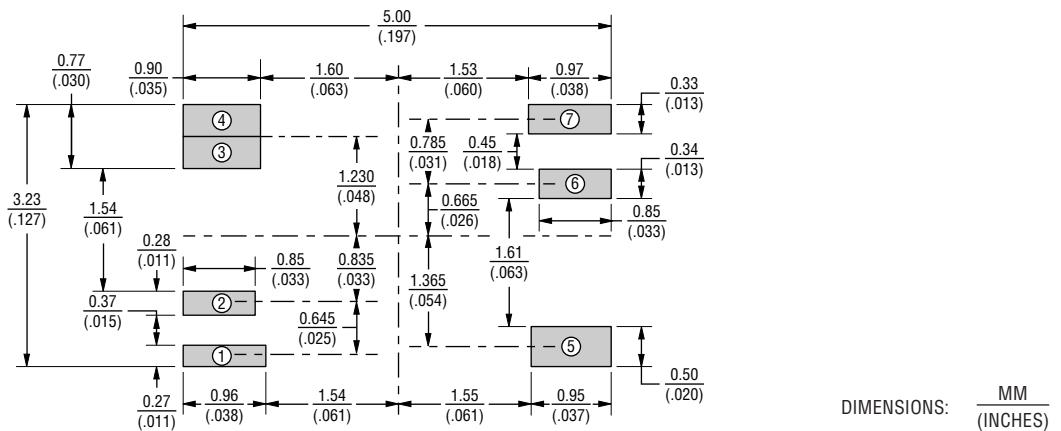
Users should verify actual device performance in their specific applications.

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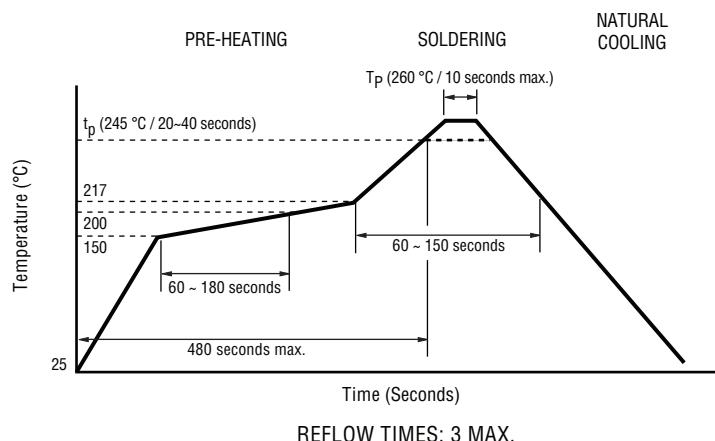
SM453229-3811N7Y - 10/100/1000 Base-T Chip LAN Transformer

BOURNS®

Recommended Pad Layout



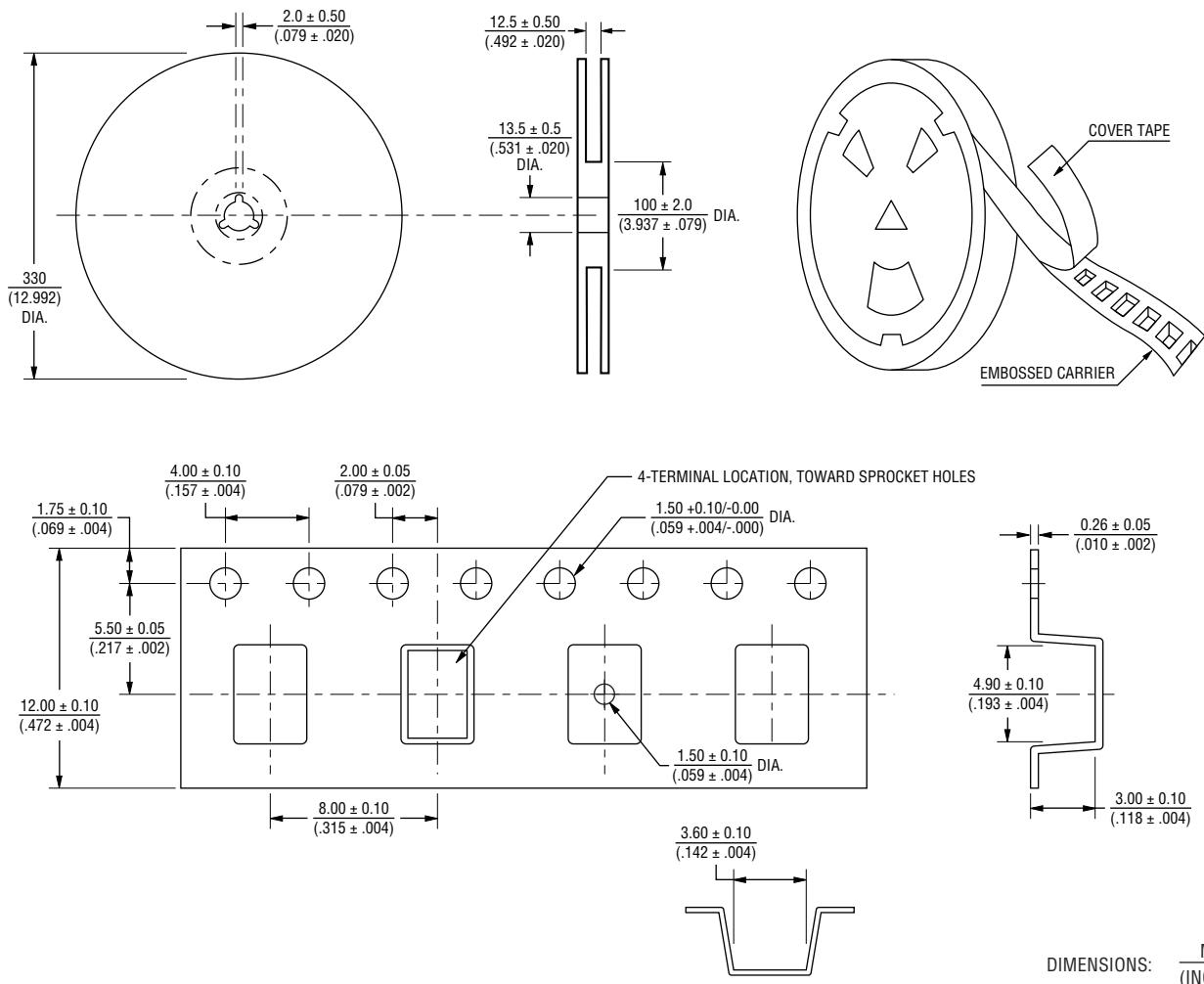
Soldering Profile



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