

Features

- IEEE 802.3 Ethernet compatible
- Compatible with 1G/2.5G/5G BASE-T
- Small size: 3.5 x 3.2 x 2.9 mm
- Discrete transformers and common mode chokes for flexible PCB layout
- Pairing common mode choke SRF2012A-801Y for EMI reduction
- Expanded temperature range: -40 to +85 °C
- RoHS compliant* and halogen free**

SM353230-181N7Y - 1 / 2.5 / 5 GbE Chip LAN Transformer

Electrical Specifications @ 25 °C

Inductance (Pin 1-2 & 6-7 / short 3-4) ... 180 μ H min. @ 100 kHz, 0.1 V, 0 mA Turns Ratio

Pin 1-2: 6-7 / short 3-4: 1:1± 3 % Insertion Loss (Pin 1-2)

......35 pF max. Hi-Pot (Pin 1 to 6, short 3-4)

......1500 Vac, 60 s Operating Temperature..-40 °C to +85 °C Storage Temperature...-40 °C to +85 °C

Packaging Specifications

Tape & Reel......2000 pcs./reel

How To Order

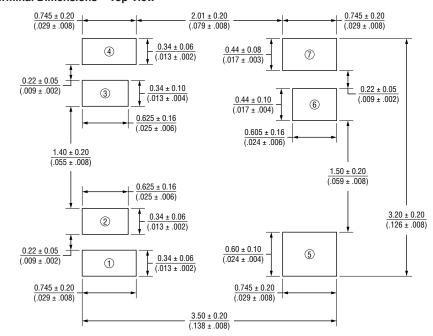
SM353230 - 181 - N7Y

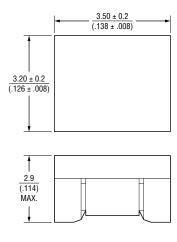
Model
Packaging
181 = Inductance code
Termination
N7 = Termination code

Tolerance — Y = Tolerance code

Product Dimensions

Terminal Dimensions - Top View





DIMENSIONS: $\frac{MM}{(INCHES)}$

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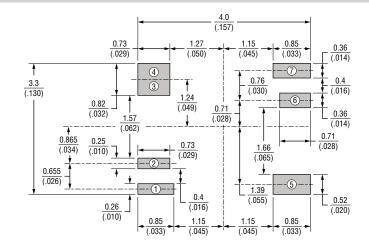


WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov

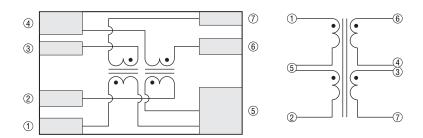
RoHS Directive 2015/863, Mar 31, 2015 and Annex.

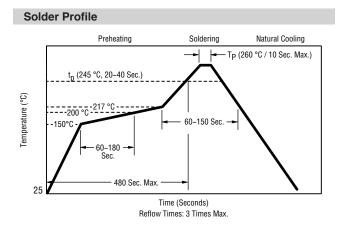
^{**} Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (CI) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (CI) content is 1500 ppm or less.

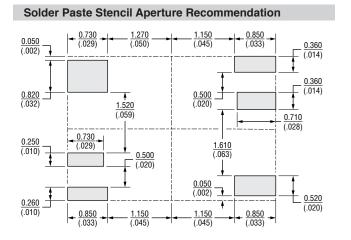
Recommended Layout



Electrical Schematic

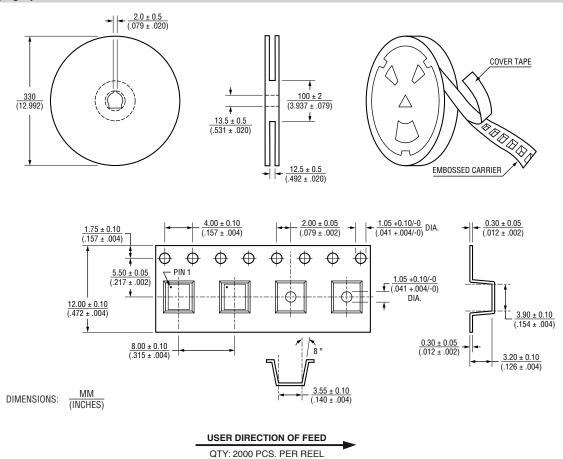






DIMENSIONS: $\frac{MM}{(INCHES)}$

Packaging Specifications



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