

Features

- IEEE 802.3 Ethernet compatible
- Compatible with 10G BASE-T
- Discrete transformers and common mode chokes for flexible PCB layout
- Pairing common mode choke SRF2012-900YA for EMI reduction
- Expanded temperature range: -40 to +85 °C
- RoHS compliant* and halogen free*

SM453230-121N7Y - 10 GbE Chip LAN Transformer

Additional Information

Click these links for more information:













TECHNICAL INVENTORY

Electrical Specifications @ 25 °C

Inductance (Pin 1-2 & 6-7 / short 3-4) ..120 µH 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)

1-500 MHz.....-2.0 dB Typ.-3.0 dB max. Capacitance (Pin 3-5 / short 3-4)

.....21 pF Typ. Hi-Pot (Pin 1-6, 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

SM453230 - 121 - N7Y

Model Packaging -121 = Inductance code Termination N7 = Termination code

Tolerance Y = Tolerance code

BOURNS

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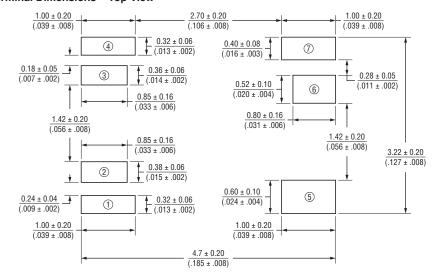
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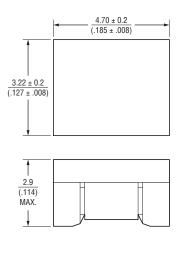
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Product Dimensions

Terminal Dimensions - Top View





MM DIMENSIONS: (INCHES)

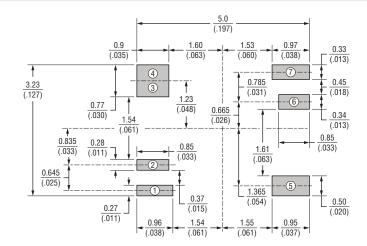


WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov

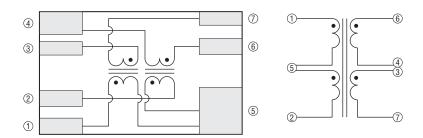
RoHS Directive 2015/863, Mar 31, 2015 and Annex.

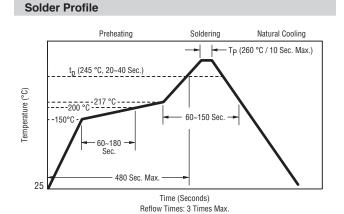
^{*} Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (CI) content is 1500 ppm or less.

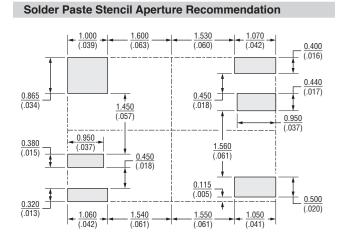
Recommended Layout



Electrical Schematic

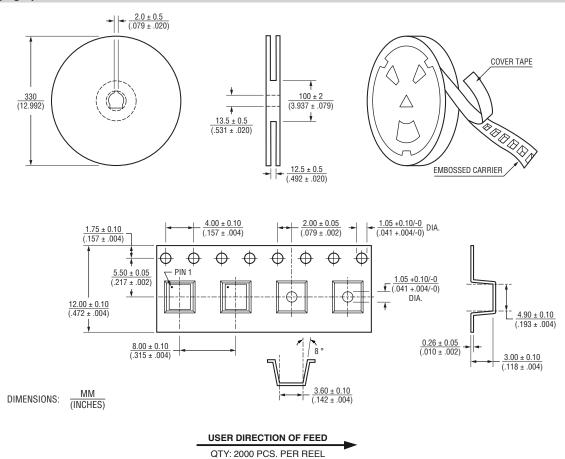






DIMENSIONS: $\frac{MM}{(INCHES)}$

Packaging Specifications



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