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 mA DC (Pin 1-2 & 6-7 / short 3-4)
  - ........................................ 380 µH min.
- Inductance – DC Bias
  - @ 100 kHz, 0.1 V, 8 mA DC (Pin 1-2 & 6-7 / short 3-4)
  - ........................................ 350 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.
- Hi-Pot (Pin 1 to 6, short 3-4)
  - ...................................... 1500 VAC, 60 sec.
- Pulse Voltage
  - 2400 V, 1.2/50 µS
- Operating Temperature
  - -40 to +85 °C
- Storage Temperature
  - -40 to +85 °C
- Packaging
  - .............. 2000 pcs. / reel

**Electrical Schematic**

**Product Dimensions**

**WARNING** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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

Recommended Pad Layout

Soldering Profile

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

Packaging Specifications

COVER TAPE

EMBOSSED CARRIER

DIMENSIONS: MM

(INCHES)

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