**Features**

- IEEE 802.3 Ethernet compatible
- Discrete transformers and common mode chokes for flexible PCB layout
- PoE+
- Pair with common mode choke SRF2012A-801Y for EMI reduction
- Expanded temperature range: -40 to +85 °C
- RoHS compliant*

**SM453229-231N7Y - 10/100/1000 Base-T PoE+ Chip LAN Transformer**

**Electrical Specifications at 25 °C**

**Inductance**

@ 100 kHz, 0.1 V, 0 mADC  
(Pin 1-2 & 6-7 / short 3-4)

........................................230 µH min.

Inductance – DC Bias

@ 100 kHz, 0.1 V, 15 mA DC  
(Pin 1-2 & 6-7 / short 3-4)

........................................200 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.

**Operating Temperature**......-40 to +85 °C

**Storage Temperature**...........-40 to +85 °C

**Packaging**.....................2000 pcs. / reel

**Product Dimensions**

- Top View

**Electrical Schematic**

**Notes:**

Specifications are subject to change without notice.
Users should verify actual device performance in their specific applications.

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**WARNING** Cancer and Reproductive Harm - www.P65Warnings.ca.gov
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Recommended Pad Layout

Soldering Profile

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