

## Features

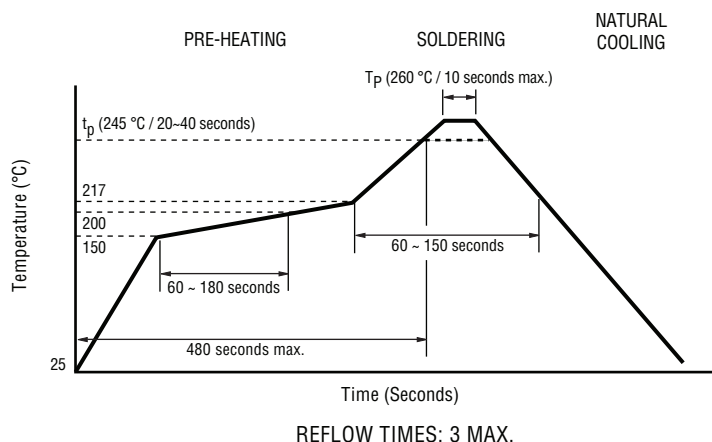
- Shielded construction – low radiation
- Bifilar wound
- Use with Chip LAN transformers SM453229-231N7Y and SM453229-381N7Y
- AEC-Q200 compliant
- RoHS compliant\* and halogen free\*\*

## SRF2012A-801Y – Common Mode Chip Inductor

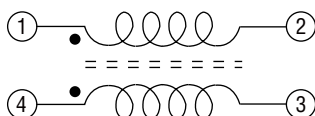
### Electrical Specifications at 25 °C

Part Number	Impedance @ 100 MHz / 1 V		Rated Voltage (VDC) Max.	Withstand Voltage (VDC) Max.	Insulation Resistance (Ω) Min.	DCR Max. (Ω)	I <sub>rms</sub> (mA)
	(Ω)	Tolerance (%)					
SRF2012A-801Y	800	± 25	50	125	10 M	0.88	300

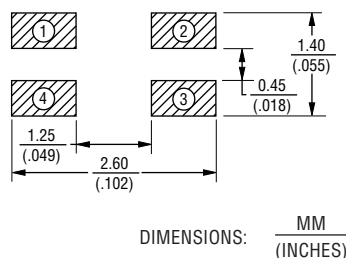
### Soldering Profile



### Schematic



### Recommended Layout



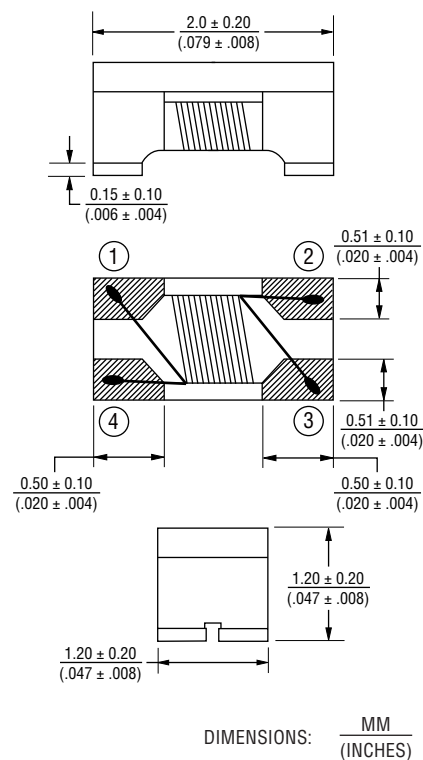
### General Specifications

Rated Voltage ..... 50 VDC  
 Withstanding Voltage ..... 125 VDC  
 Insulation Resistance  
 ..... 10 MΩ (Min.) @ 100 VDC  
 Operating Temperature  
 ..... -55 °C to +125 °C  
 (Temperature rise included)  
 Storage Temperature  
 ..... -55 °C to +125 °C  
 Temperature Rise ..... 20 °C at rated I<sub>rms</sub>

### Materials

Core ..... Ferrite  
 Wire ..... Enameled copper  
 Terminal Finish ..... Sn  
 Packaging ..... 2000 pcs. per 7-inch reel

### Product Dimensions



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

\* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

\*\* 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 (Cl) content is 1500 ppm or less.

Specifications are subject to change without notice.

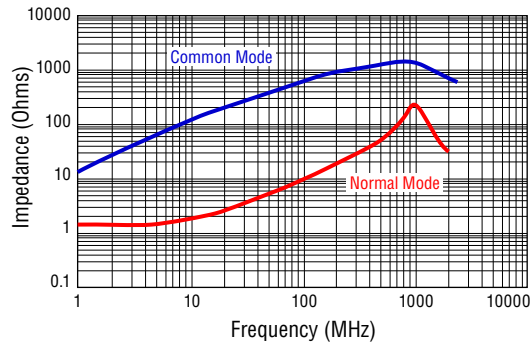
Users should verify actual device performance in their specific applications.

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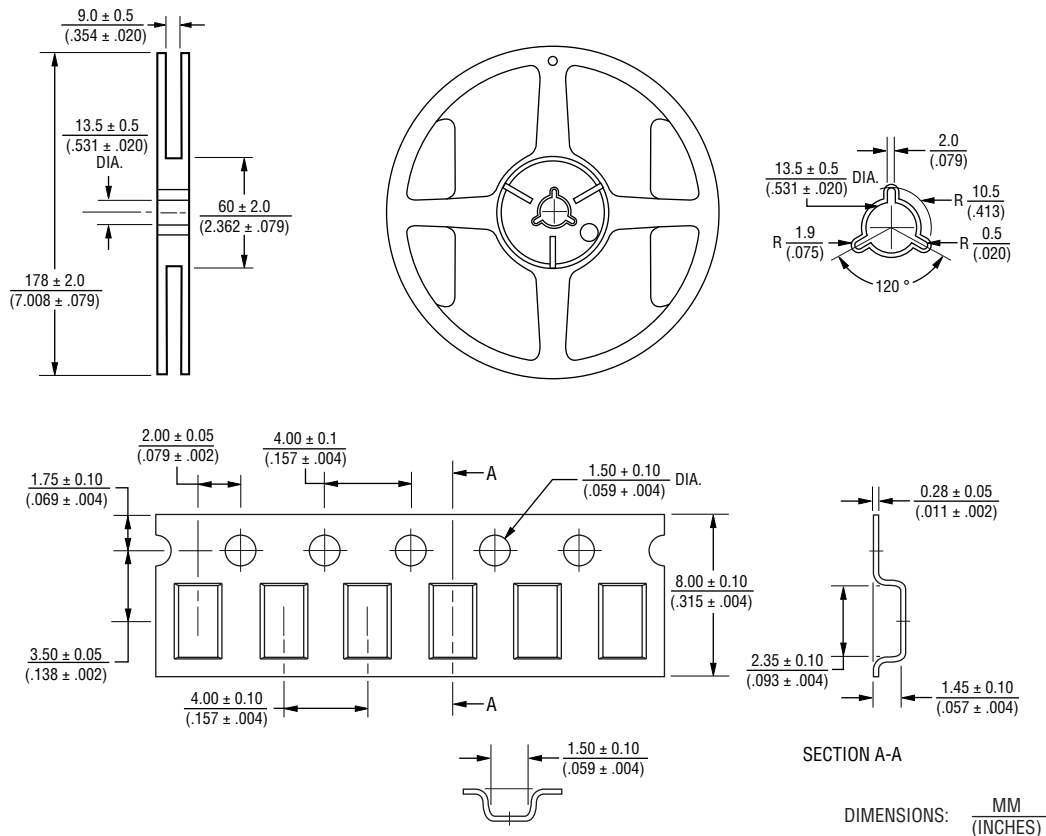
# SRF2012A-801Y - Common Mode Chip Inductor

**BOURNS®**

## Typical Impedance vs. Frequency Curves



## Packaging Specifications



USER DIRECTION OF FEED

QTY: 2000 PCS. PER REEL

REV. 02/19

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