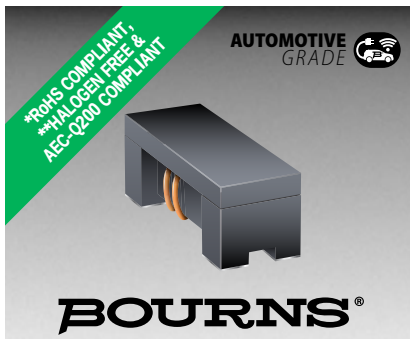




Features

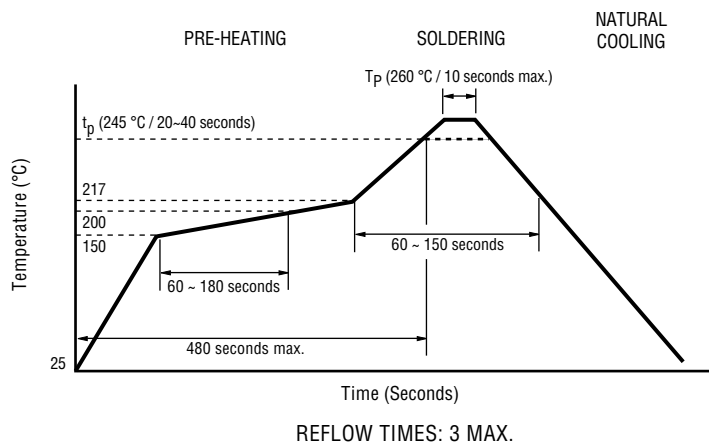
- Shielded construction – low radiation
- Bifilar wound
- Use with Chip LAN transformers SM453229-231N7Y and SM453229-381N7Y
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

SRF2012A Series - Common Mode Chip Inductors

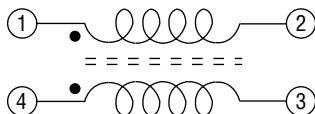
Electrical Specifications at 25 °C

Part Number	Impedance @ 100 MHz / 1 V		Rated Voltage (VDC) Max.	Withstand Voltage (VDC) Max.	Insulation Resistance (Ω) Min.	DCR Max. (Ω)	I _{rms} (mA)
	(Ω)	Tolerance (%)					
SRF2012A-801Y	800	± 25	100	250	10 M	0.88	300

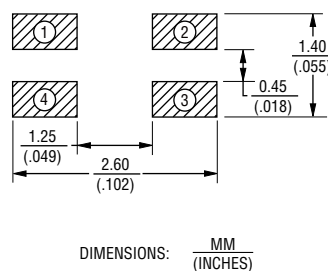
Soldering Profile



Schematic



Recommended Layout



BOURNS®

Americas: Tel: +1 951-781-5500 • Email: americus@bourns.com

Mexico: Tel: +52-614-478-0400 • Email: mexicus@bourns.com

Asia: Tel: +886-2-2562-4117 • Email: asiacus@bourns.com

EMEA: Tel: +36 88 885 877 • Email: eurocus@bourns.com

www.bourns.com



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 (Cl) content is 1500 ppm or less.

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General Specifications

Max. Rated Voltage 100 VDC

Max. Withstanding Voltage 250 VDC

Insulation Resistance
..... 10 M Ω (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_{rms}

Materials

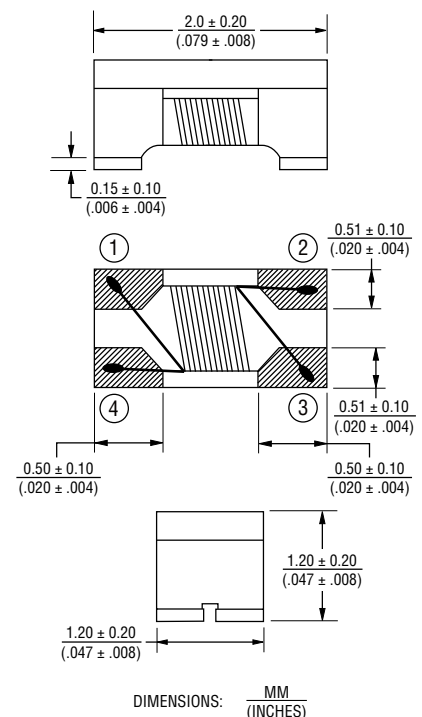
Core Ferrite

Wire Enameled copper

Terminal Finish Sn

Packaging 2000 pcs. per 7-inch reel

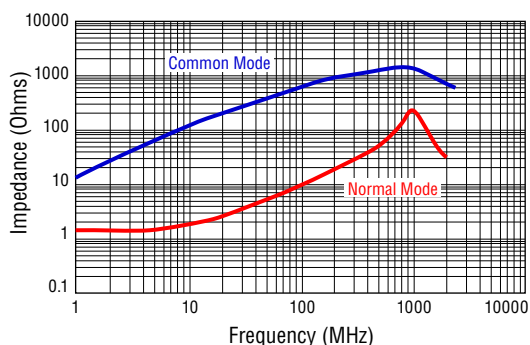
Product Dimensions



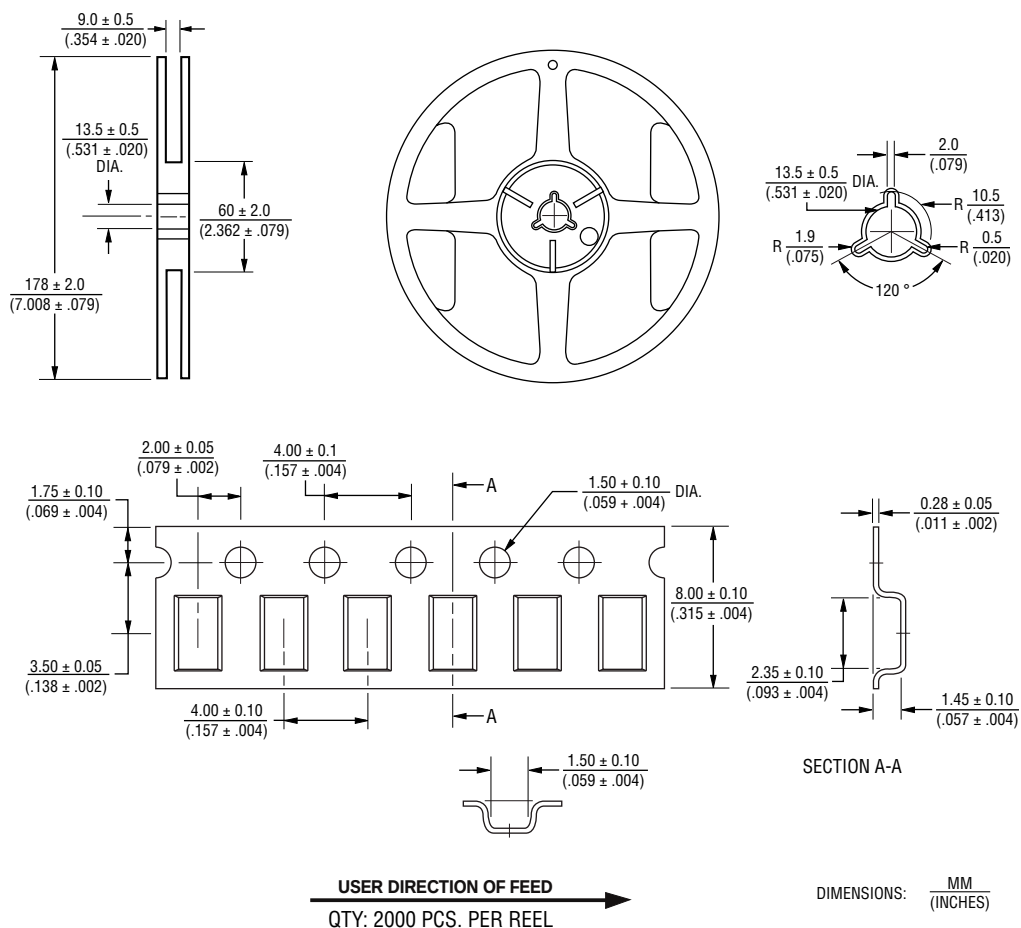
SRF2012A-801Y - Common Mode Chip Inductors

BOURNS®

Typical Impedance vs. Frequency Curves



Packaging Specifications



REV. 06/24

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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