

## Features

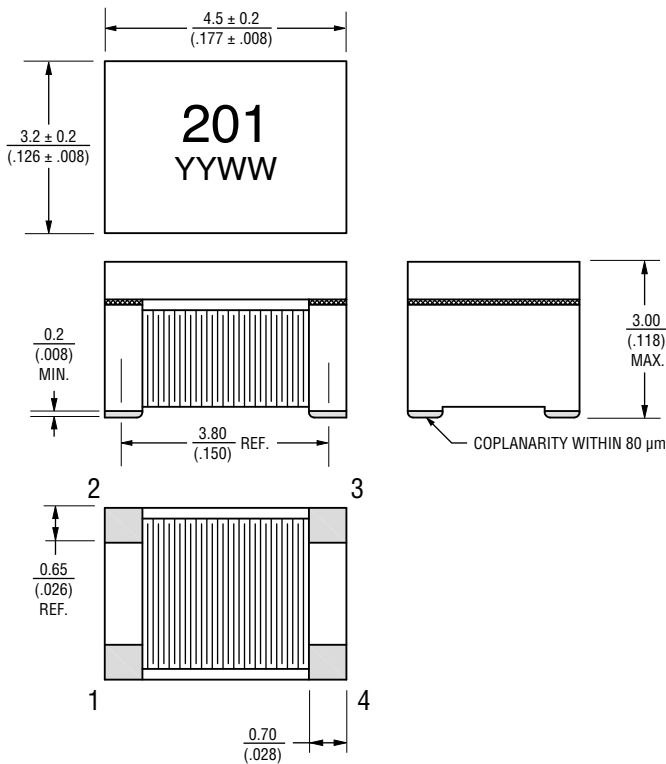
- Shielded construction – low radiation
- Bifilar wound
- AEC-Q200 compliant
- RoHS compliant\* and halogen free\*\*

## SRF4530AG - Common Mode Chip Inductor

### Electrical Specifications @ 25 °C

Bourns Part Number	Inductance @ 100 kHz / 0.1 V		Leakage @ 100 kHz / 0.1 V	DCR	Idc	Common Mode Impedance @ 10 MHz	
	L (μH)	Tolerance (%)	Typ. (μH)	Max. (mΩ)	Typ. (A)	Min. (kΩ)	Typ. (kΩ)
SRF4530AG-201Y	200	+50 / -30	0.45	4.5	0.1	5	11

### Product Dimensions



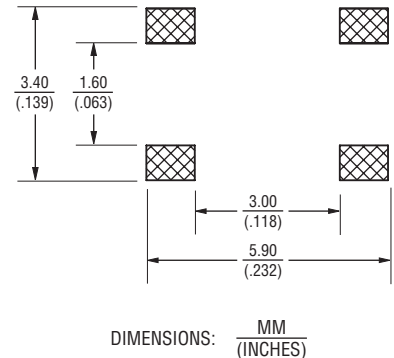
### General Specifications

Rated Voltage ..... 50 VDC  
 Insulation Resistance ..... 10 megohms min. @ 50 VDC  
 Operating Temperature ..... -55 °C to +150 °C  
 (Temperature rise included)  
 Storage Temperature ..... -55 °C to +150 °C  
 Temperature Rise ..... 40 °C at rated Irms

### Materials

Core ..... Ferrite  
 Wire ..... Enameled copper  
 Terminal Finish ..... Au  
 Packaging ..... 500 pcs. per 7-inch reel

### Recommended Layout



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

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

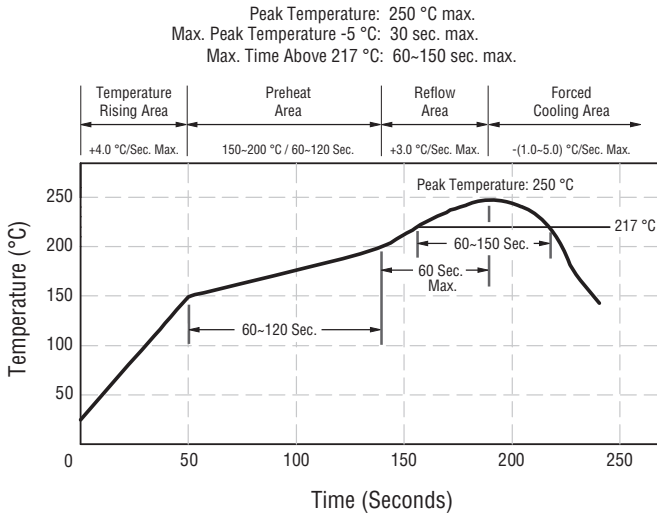
\*\* Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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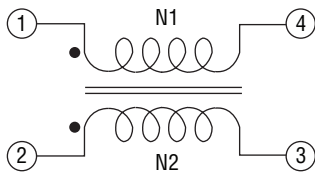
# SRF4530AG - Common Mode Chip Inductor



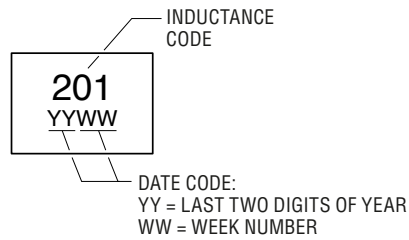
## Soldering Profile



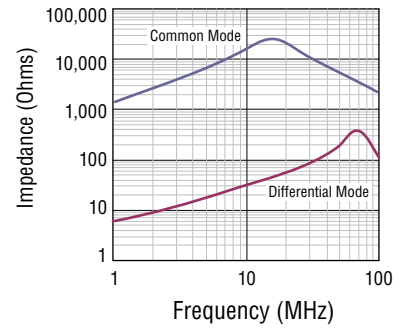
## Schematic



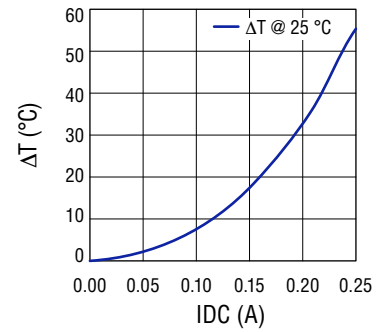
## Typical Part Marking



## Typical Impedance vs. Frequency



## Temperature Rise vs. IDC



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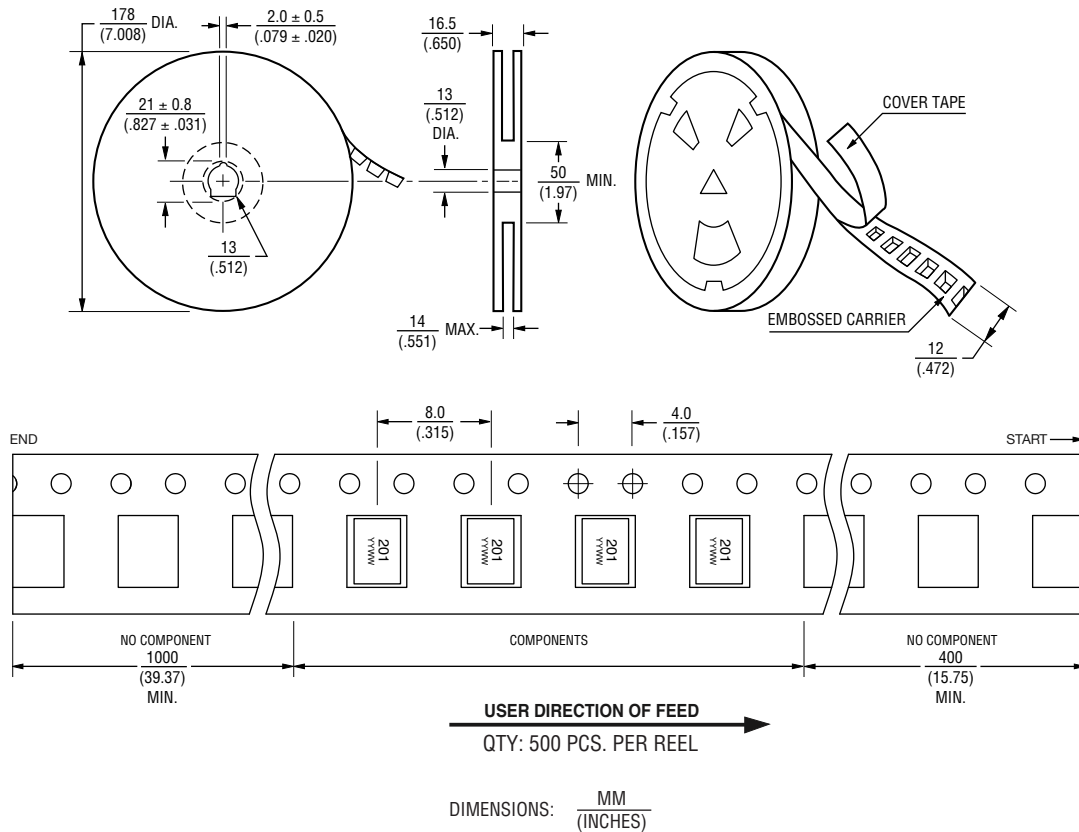
Users should verify actual device performance in their specific applications.

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# SRF4530AG - Common Mode Chip Inductor

**BOURNS®**

## Packaging Specifications



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