

Features

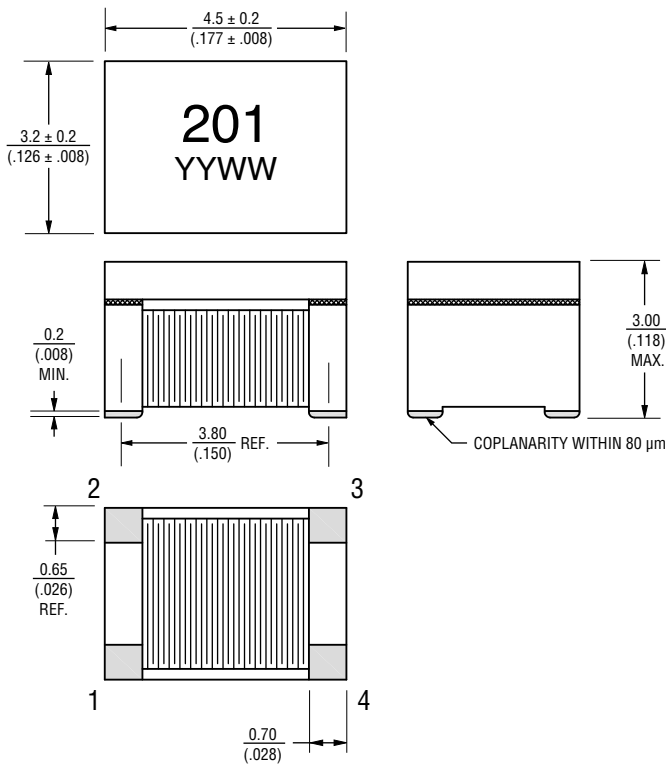
- Shielded construction – low radiation
- Bifilar wound
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

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



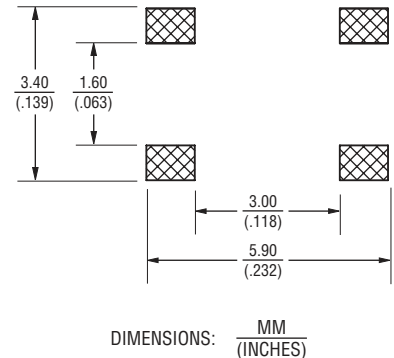
General Specifications

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

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

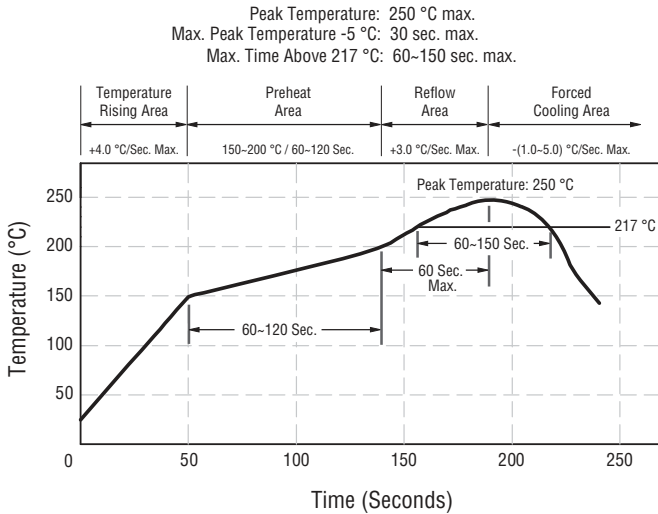
** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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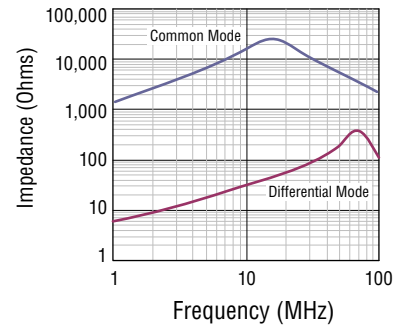
SRF4530AG - Common Mode Chip Inductor



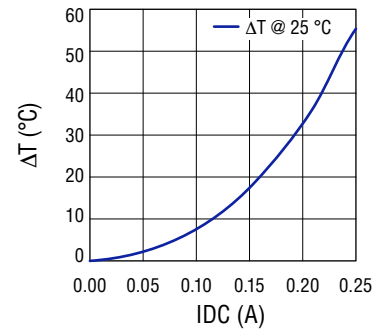
Soldering Profile



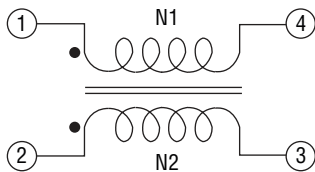
Typical Impedance vs. Frequency



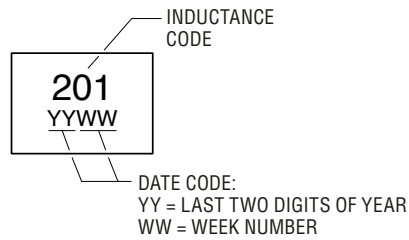
Temperature Rise vs. IDC



Schematic



Typical Part Marking



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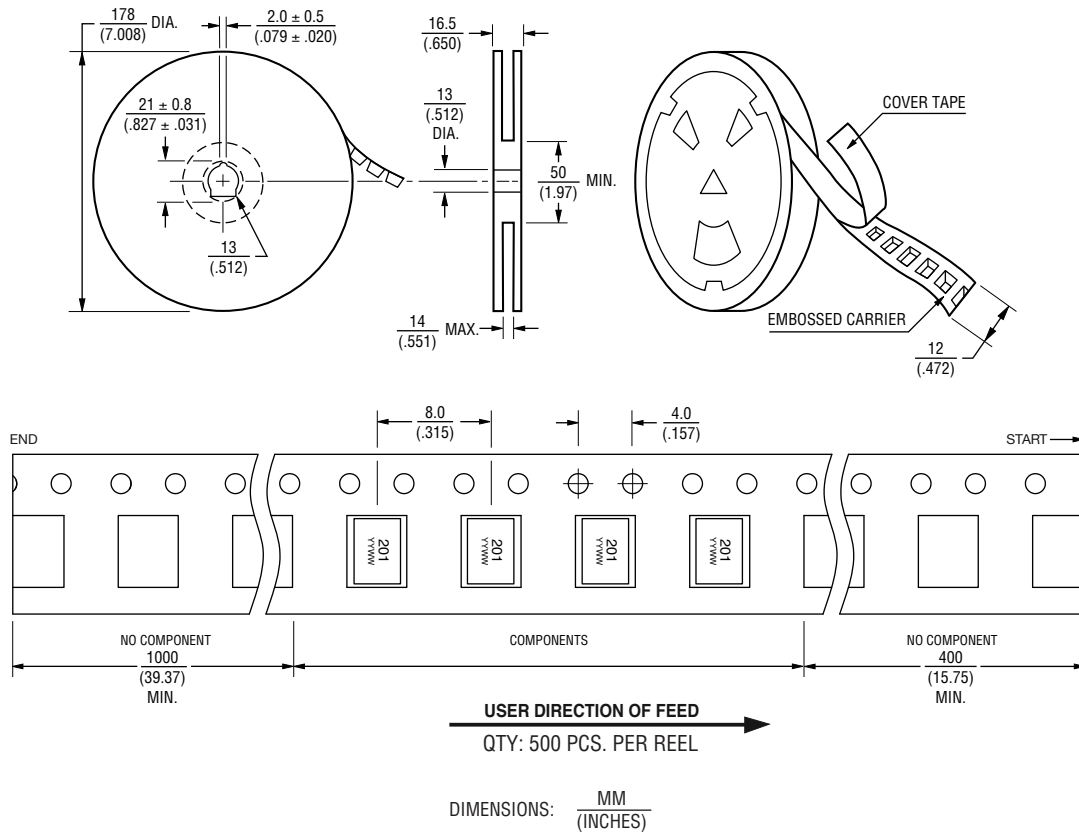
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BOURNS®

Packaging Specifications



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