

Features

- Shielded construction – low radiation
- Bifilar wound
- Designed to meet 2-wire UTP (Unshielded Twisted Pair) cable automotive audio bus system technology applications
- AEC-Q200 compliant
- RoHS compliant* and halogen free**



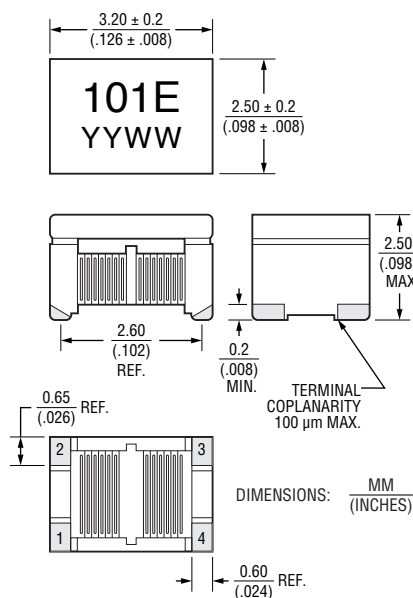
This model is not recommended for new designs. Contact your local Bourns representative for alternative solutions.

SRF3225AB – Common Mode Chip Inductor

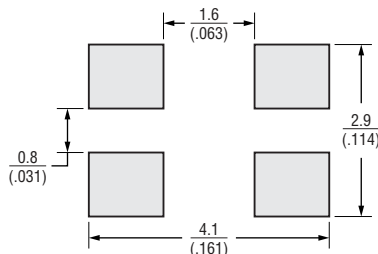
Electrical Specifications @ 25 °C

Bourns Part Number	Inductance @ 100 KHz / 0.1 V		Leakage Inductance (μH) Typ. @ 100 kHz / 0.1 V	DCR (Ω) Max.	IDC (A) Typ.	Common Mode Impedance (Ω) @ 10 MHz	
	L (μH)	Tol. (%)				Typ.	Min.
SRF3225AB-101Y	100	± 50	0.60	3.5	0.1	5500	2000

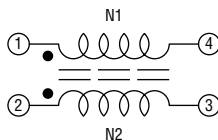
Product Dimensions



Recommended Layout



Electrical Schematic



Additional Information

Click these links for more information:



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[SAMPLES](#)



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General Specifications

Rated Voltage 50 VDC
 Insulation Resistance 10 MΩ (min.) @ 50 VDC
 Operating Temperature -40 °C to +125 °C
 (Temperature rise included)
 Storage Temperature -40 °C to +125 °C
 Temperature Rise 40 °C at rated IDC

Materials

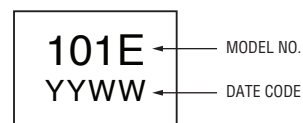
Core Ferrite
 Wire Enameled copper
 Terminal Finish Sn
 Packaging 1200 pcs. per 7-inch reel

How to Order

SRF3225AB - 101 Y

Model _____
 Value Code _____
 Tolerance _____

Typical Part Marking

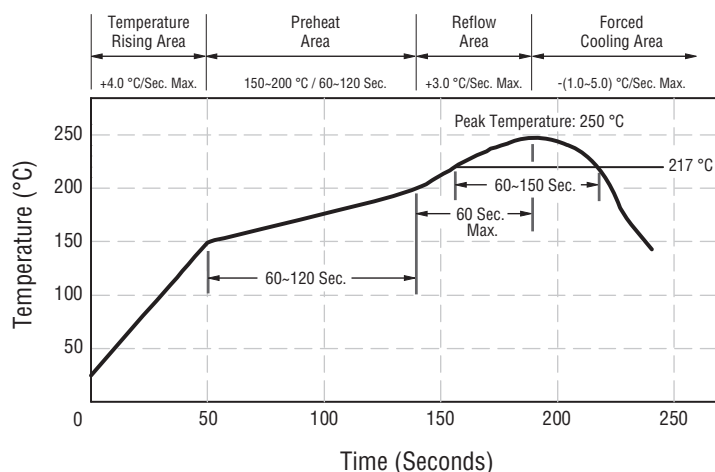


WARNING
 Cancer and Reproductive Harm
www.P65Warnings.ca.gov

* 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.

Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

Soldering Profile

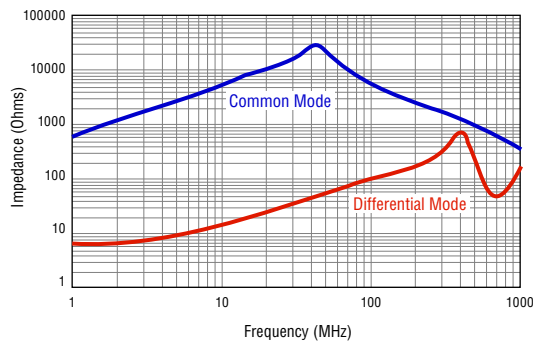


Peak Temperature: 250 °C max.
 Max. Peak Temperature -5 °C: 30 sec. max.
 Time Above 217 °C: 60-150 sec. max.

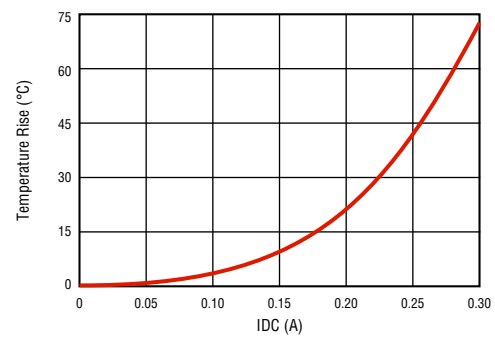
SRF3225AB Series – Common Mode Chip Inductor

BOURNS®

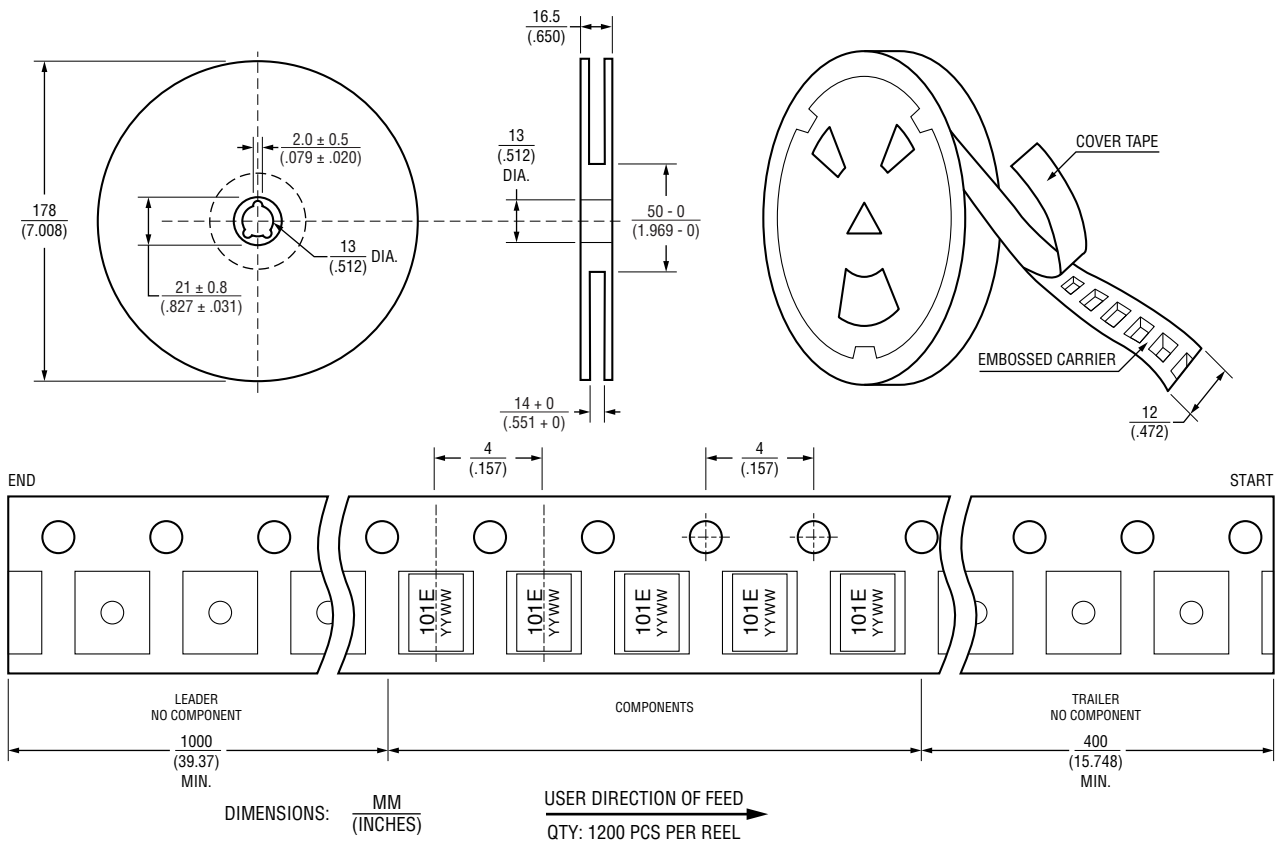
Typical Impedance vs. Frequency Curves



Temperature Rise Plot



Packaging Specifications



REV. 05/25

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