

Features

- Shielded construction – low radiation
- Bifilar wound
- SRF3225TAC-101Y meets IEC 62228-3 CAN-FD Class II
- Extended temperature range: -55 to +150 °C
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

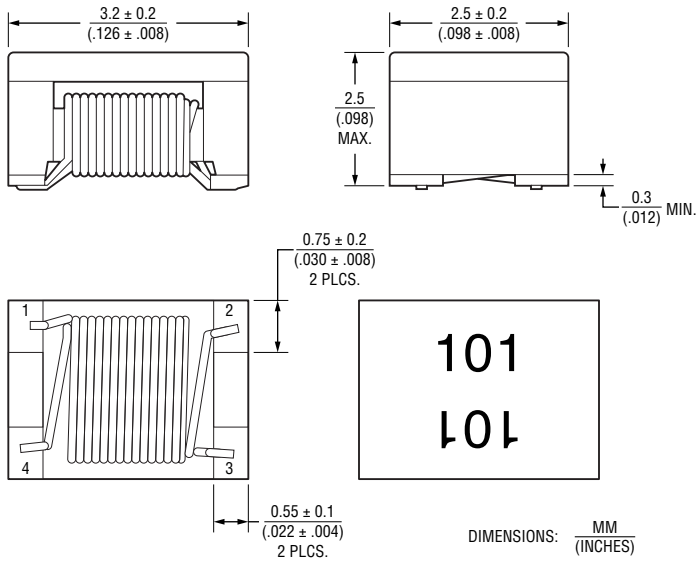
BOURNS®

SRF3225TAC Series – Common Mode Chip Inductor

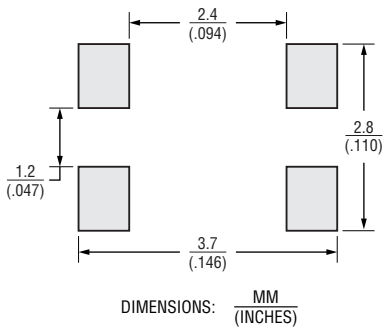
Electrical Specifications @ 25 °C

Bourns Part Number	Inductance @ 100 kHz / 0.1 V		Leakage Inductance (μH) Max. @ 100 kHz / 0.1 V	DCR (Ω) Max.	IDC (A) Max.	Cp 1-4 (pF) 100 kHz / 0.1 V		Common Mode Impedance (Ω) @ 10 MHz	
	L (μH)	Tol. (%)				Typ.	Max.	Typ.	Min.
SRF3225TAC-110Y	11	-30 / +50	0.10	0.4	0.3	10	12	550	300
SRF3225TAC-220Y	22	-30 / +50	0.12	0.5	0.25	15	18	1100	500
SRF3225TAC-510Y	51	-30 / +50	0.16	0.7	0.2	18	22	2600	1000
SRF3225TAC-101Y	100	-30 / +50	0.22	1.5	0.15	15	20	5100	2200

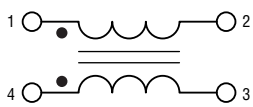
Product Dimensions



Recommended Layout



Electrical Schematic



Additional Information

Click these links for more information:

PRODUCT | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

General Specifications

Rated Voltage ..... 80 VDC
Insulation Resistance
..... 10 MΩ (min.) @ 50 VDC
Operating Temperature
.....-55 °C to +150 °C
(Temperature rise included)
Storage Temperature..-55 °C to +150 °C
Temperature Rise ..... 20 °C at rated IDC

Materials

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

How to Order

SRF3225TAC - 101 Y

Model
Value Code
Tolerance

CALIFORNIA WARNING: Can expose you to lead, a carcinogen and reproductive toxicant.
See www.P65Warnings.ca.gov

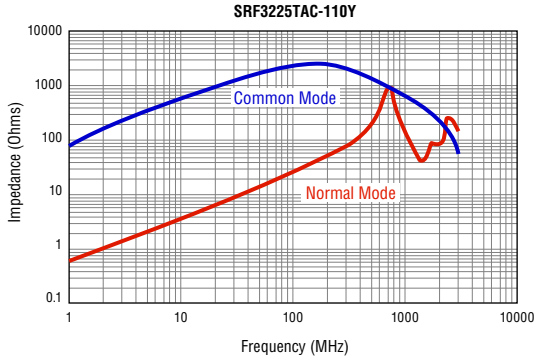
* RoHS Directive 2015/863, Mar 31, 2015 and Annex.
** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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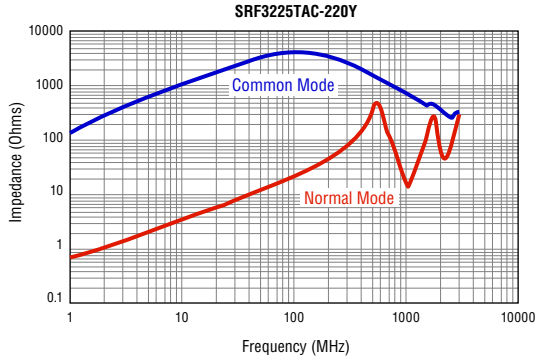
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Typical Impedance vs. Frequency Curves

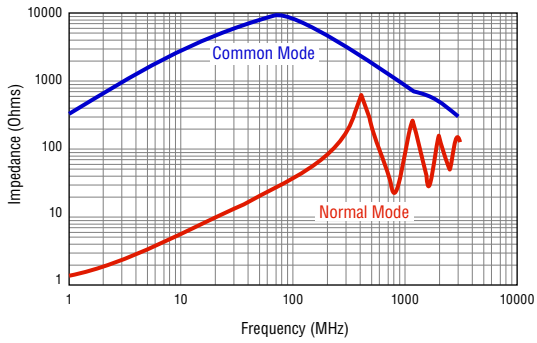
SRF3225TAC-110Y



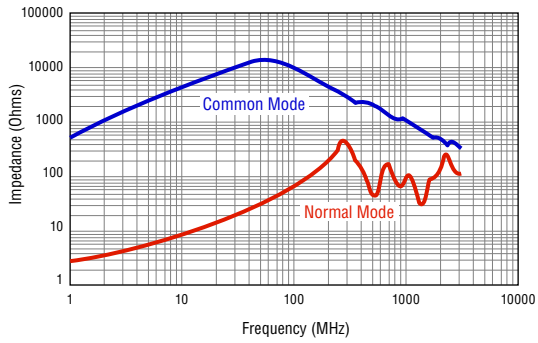
SRF3225TAC-220Y



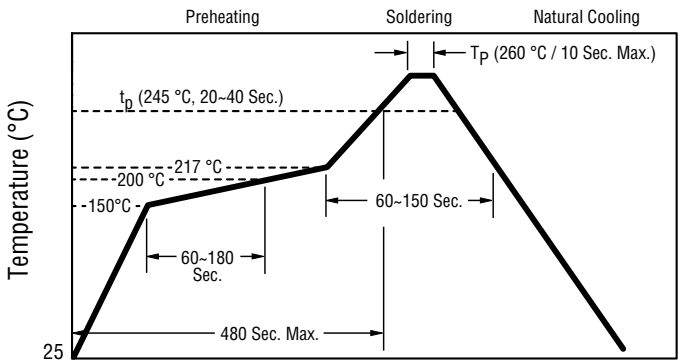
SRF3225TAC-510Y



SRF3225TAC-101Y



Soldering Profile

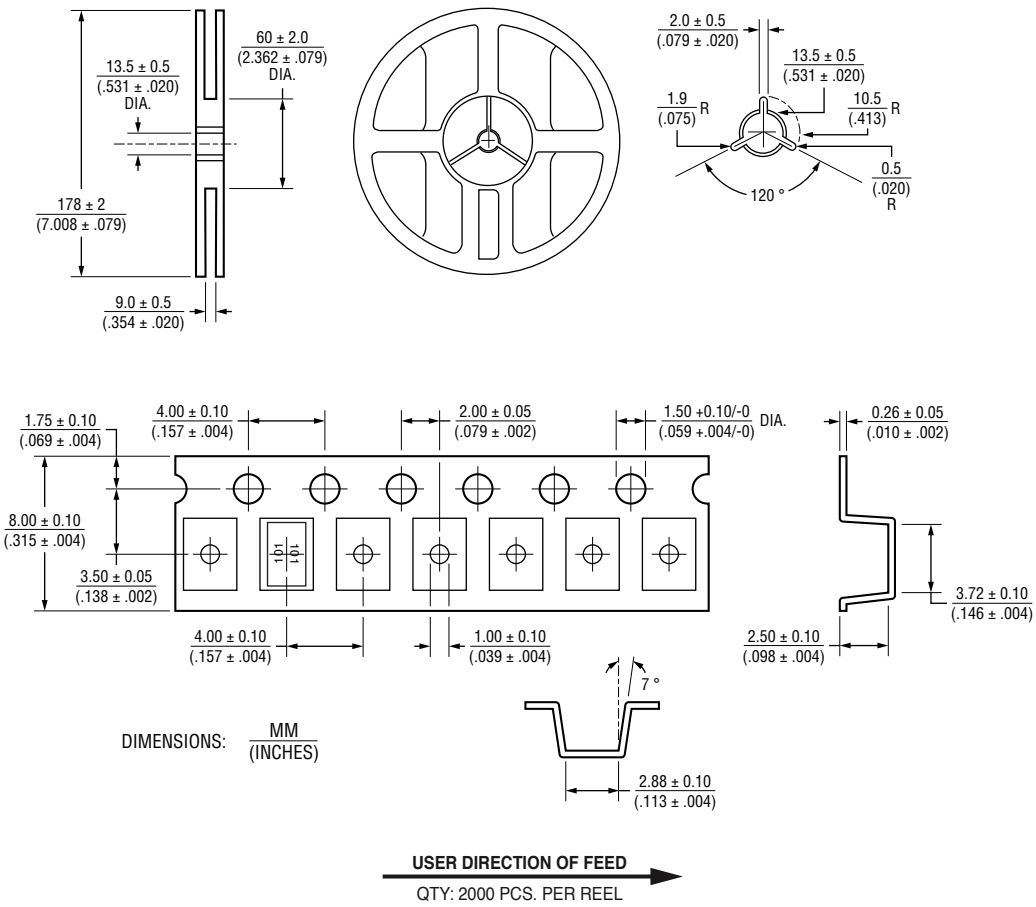


Reflow Times: 3 Times Max.

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Packaging Specifications



BOURNS®

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EMEA: Tel: +36 88 885 877 • Email: eurocus@bourns.com
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REV. 07/25

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