

#### **Features**

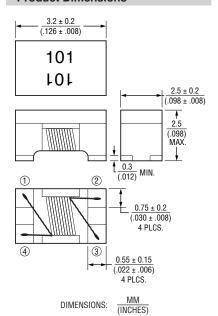
- Shielded construction low radiation
- Bifilar wound
- SRF3225TAC-101Y meets IEC 62228-3 CAN-FD Class II
- Extended temperature range: -55 to +150 °C
- AEC-Q200 compliant
- RoHS compliant\* and halogen free\*\*

# SRF3225TAC Series – Common Mode Chip Inductor

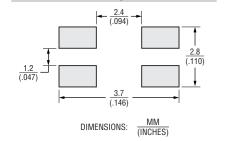
### Electrical Specifications @ 25 °C

Bourns Part Number	Inductance @ 100 kHz / 0.1 V		Leakage Inductance (µH) Max. @	DCR (Ω)	IDC (A)	Cp 1-4 (pF) 100 kHz / 0.1 V		Common Mode Impedance (Ω) @ 10 MHz	
	L (μΗ)	Tol. (%)	(μη) Max. @ 100 kHz / 0.1 V	Max.	Max.	Тур.	Max.	Тур.	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

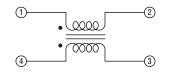
#### **Product Dimensions**



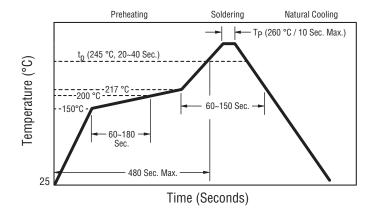
## **Recommended Layout**



#### **Electrical Schematic**



## **Soldering Profile**



Reflow Times: 3 Times Max.

#### **Additional Information**

Click these links for more information:











PRODUCT TECHNICAL INVENTORY SAMPLES

#### **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



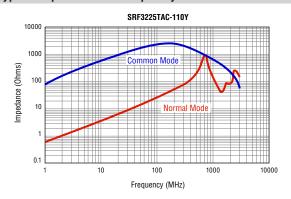
#### WARNING **Cancer and Reproductive Harm** www.P65Warnings.ca.gov

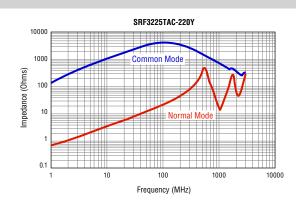
RoHS Directive 2015/863, Mar 31, 2015 and Annex.

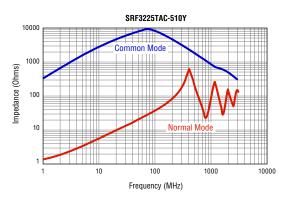
\* Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (CI) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (CI) content is 1500 ppm or less.

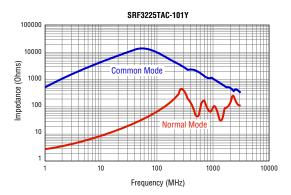
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### Typical Impedance vs. Frequency Curves

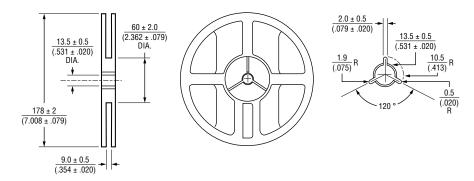


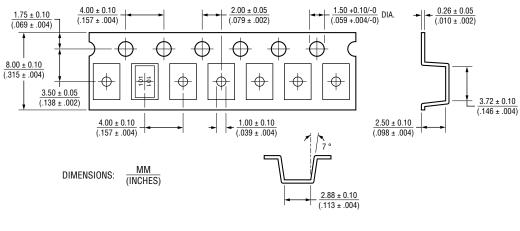






#### **Packaging Specifications**





QTY: 2000 PCS. PER REEL

## **BOURNS®**

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