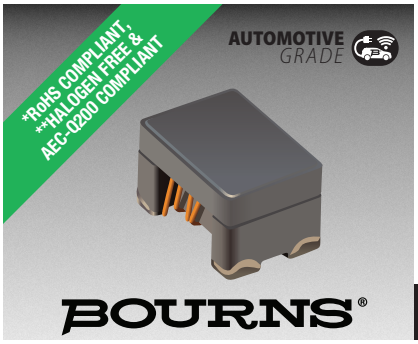


Features

- Shielded construction – low radiation
- Impedance range: 90 ~ 2800 Ω @ 100 MHz
- High current up to 4 A
- Compact size
- AEC-Q200 compliant
- RoHS compliant* and halogen free**

Applications

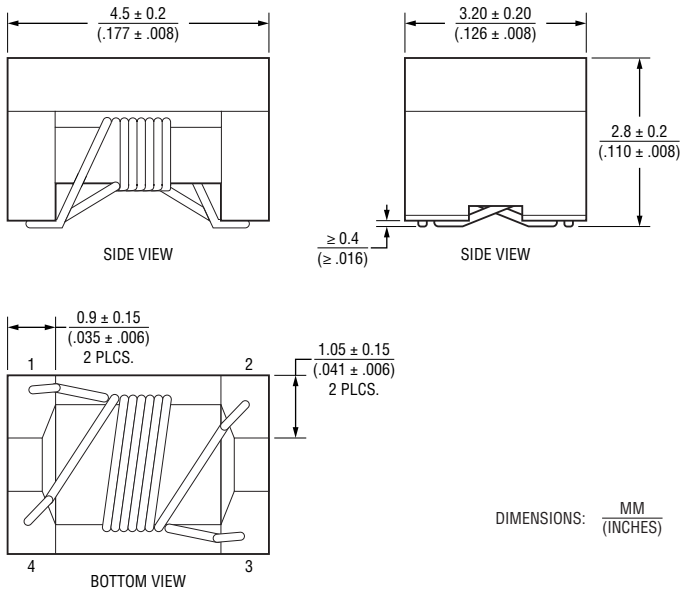
- EMI suppression
- Noise filters

SRF4532TA Series – Common Mode Chip Inductor

Electrical Specifications @ 25 °C

Bourns Part Number	Impedance (Ω) @ 100 MHz		Inductance @ 100 kHz / 0.1 V Typ.	DCR (Ω) Max.	Rated Current (mA) Max.
	Typ.	Min.	L (μH)		
SRF4532TA-900Y	90	68	0.35	0.050	4000
SRF4532TA-231Y	230	173	0.85	0.050	3500
SRF4532TA-421Y	420	300	1.50	0.055	3200
SRF4532TA-601Y	600	450	1.70	0.060	2500
SRF4532TA-901Y	900	650	3.20	0.070	2300
SRF4532TA-142Y	1400	1000	4.00	0.100	2000
SRF4532TA-282Y	2800	2100	10.00	0.350	900

Product Dimensions



Additional Information

Click these links for more information:

PRODUCT SELECTOR | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

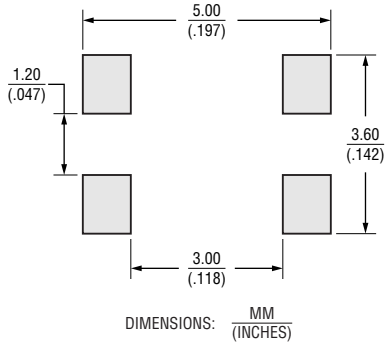
General Specifications

Withstand Voltage..... 125 VDC
Rated Voltage..... 50 VDC
Insulation Resistance .....10 MΩ (min.)
Operating Temperature
.....-55 °C to +125 °C
(Temperature rise included)
Storage Temperature
.....-55 °C to +125 °C
Temperature Rise... 40 °C at rated current

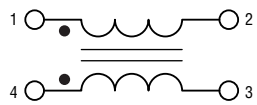
Materials

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

Recommended Layout



Electrical Schematic



How to Order

SRF4532TA - 900 Y

Model
Value Code
Tolerance

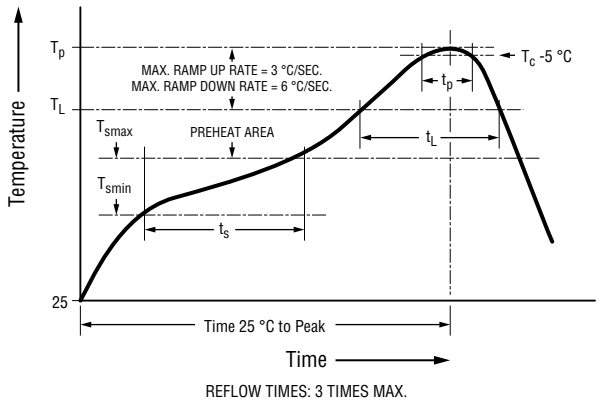
WARNING
Cancer and Reproductive Harm
www.P65Warnings.ca.gov

* 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 (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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Soldering Profile

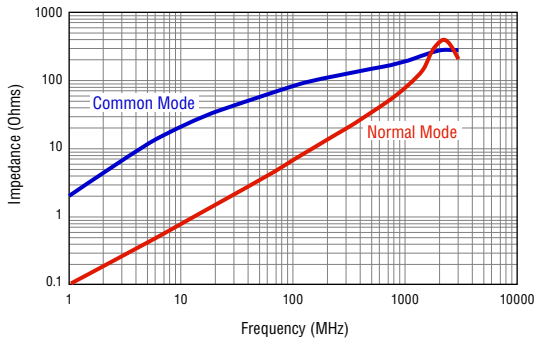


REFLOW TIMES: 3 TIMES MAX.

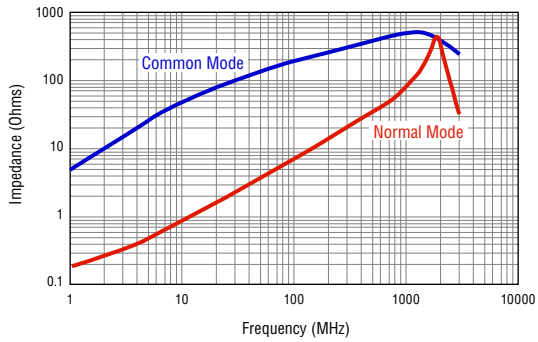
Profile Feature	Pb Free Assembly
Preheat - Temperature Min. (T_{smin}) - Temperature Max. (T_{smax}) - Time(t_s) from T_{smin} to T_{smax}	 150 °C 200 °C 60-120 seconds
Ramp-up Rate (T_L to T_p)	3 °C/second max.
Liquidous temperature (T_L) Time (t_L) maintained above T_L	217 °C 60-150 seconds
Peak package body temperature (T_p)	250 °C
Time (t_p) at T_c - 5 °C (T_p should be equal to or less than T_c)	< 30 seconds
Ramp-Down Rate (T_p to T_L)	6 °C/second max.
Time 25 °C to Peak Temperature	8 minutes max.

Typical Impedance vs. Frequency Curves

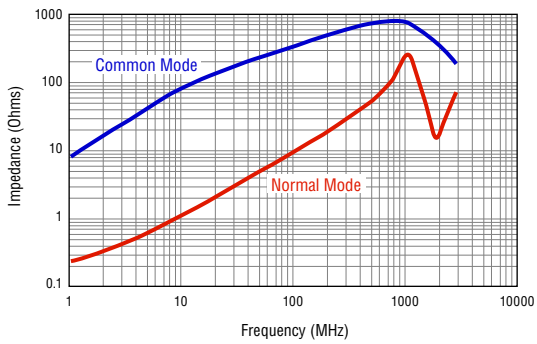
SRF4532TA-900Y



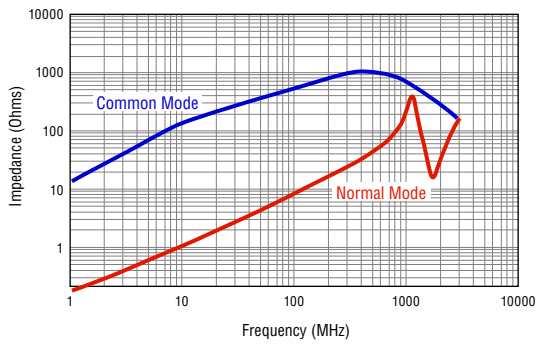
SRF4532TA-231Y



SRF4532TA-421Y



SRF4532TA-601Y

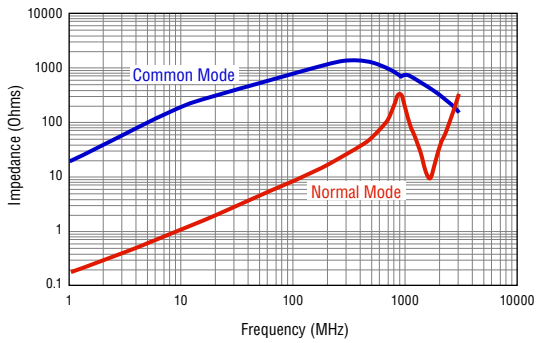


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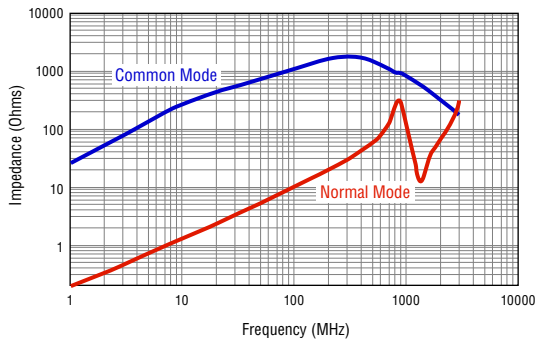
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Typical Impedance vs. Frequency Curves (continued)

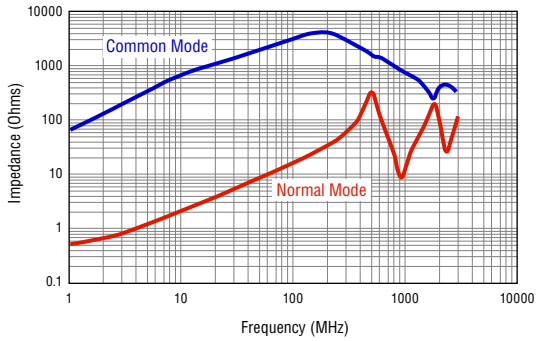
SRF4532TA-901Y



SRF4532TA-142Y



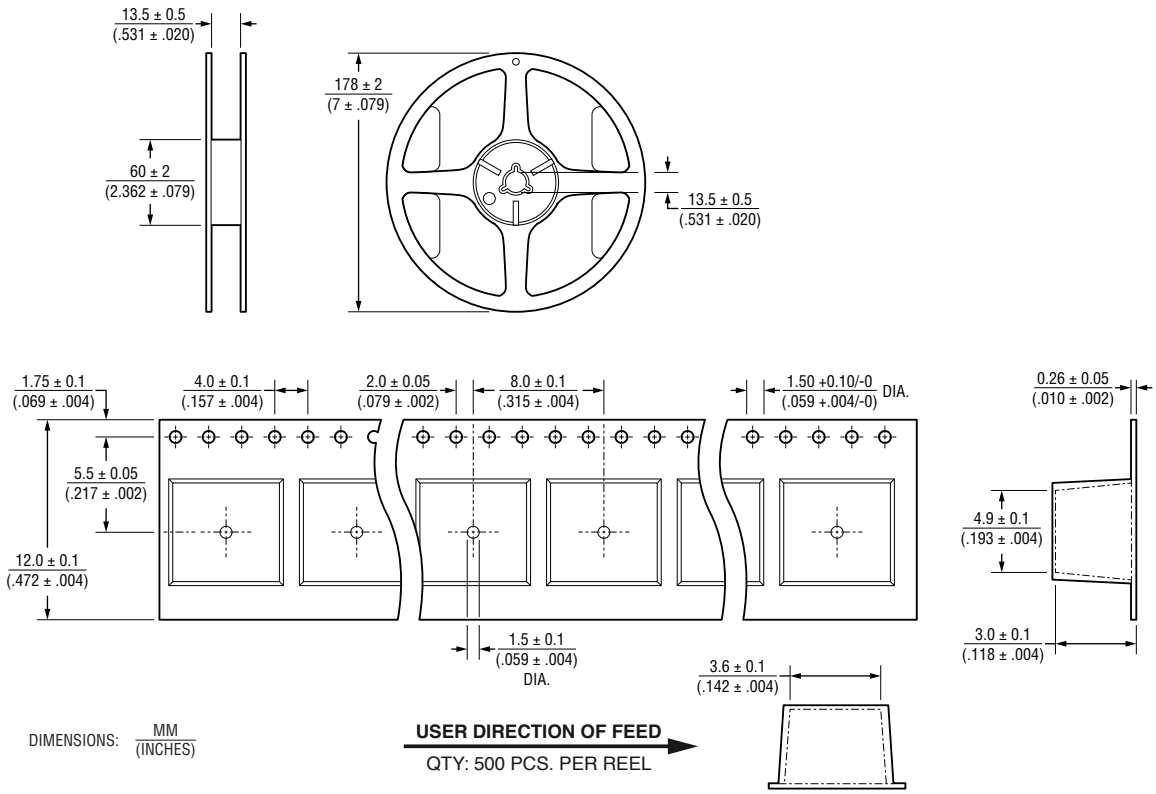
SRF4532TA-282Y



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Packaging Specifications



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REV. 04/24

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