

Features

- Shielded construction for low radiation
- High current
- Compact size
- RoHS compliant* and halogen free**

Applications

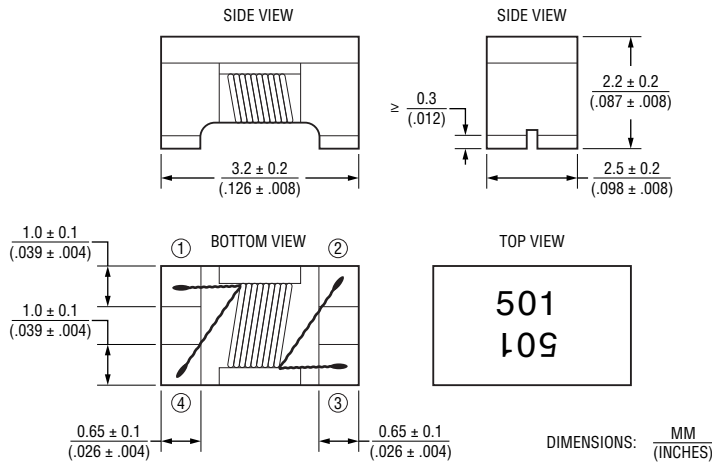
- DC power lines - EMI suppression
- DC power lines - noise filters

SRF3225TP Series – Common Mode Chokes

Electrical Specifications @ 25 °C

Bourns Part Number	Inductance @ 100 KHz / 0.1 V		Common Mode Impedance (Ω) @ 100 MHz	DCR (Ω) Max.	Rated Current (mA) Max.	Rated Voltage (VDC) Max.	IR (MΩ) Min.
	L (μH)	Tol. (%)					
SRF3225TP-501Y	2.2	+50/-30	500 ± 25 %	0.1	2000	60	10
SRF3225TP-102Y	8.2	+50/-30	1000 ± 25 %		1500		

Product Dimensions



Additional Information

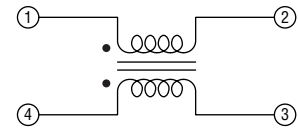
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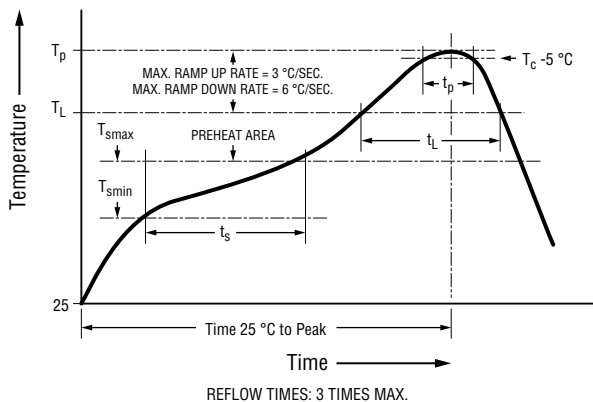
General Specifications

Operating Temperature -40 °C to +105 °C
 Storage Temperature -40 °C to +105 °C
 Rated Current..... Based on max. temperature rise of 40 °C
 Moisture Sensitivity Level..... 1
 ESD Classification (HBM)..... N/A

Electrical Schematic

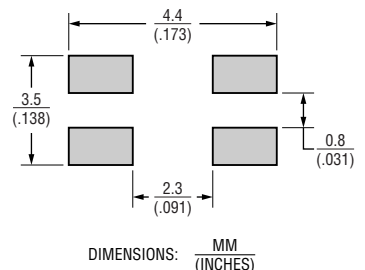


Soldering Profile



Profile Feature	Pb Free Assembly
Preheat <ul style="list-style-type: none"> - 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)	260 °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.

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.

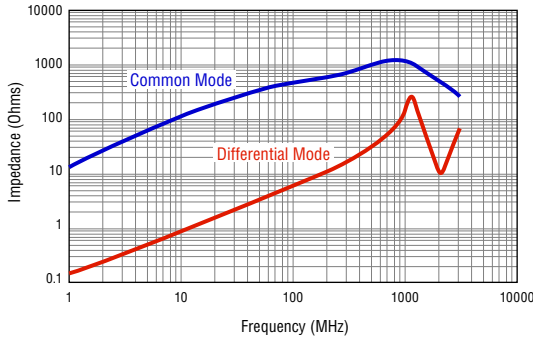
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SRF3225TP Series – Common Mode Chokes

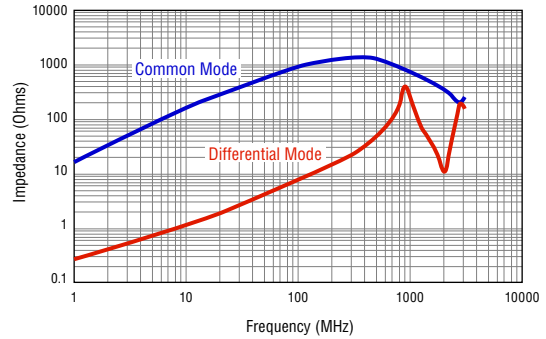
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Typical Impedance vs. Frequency Curves

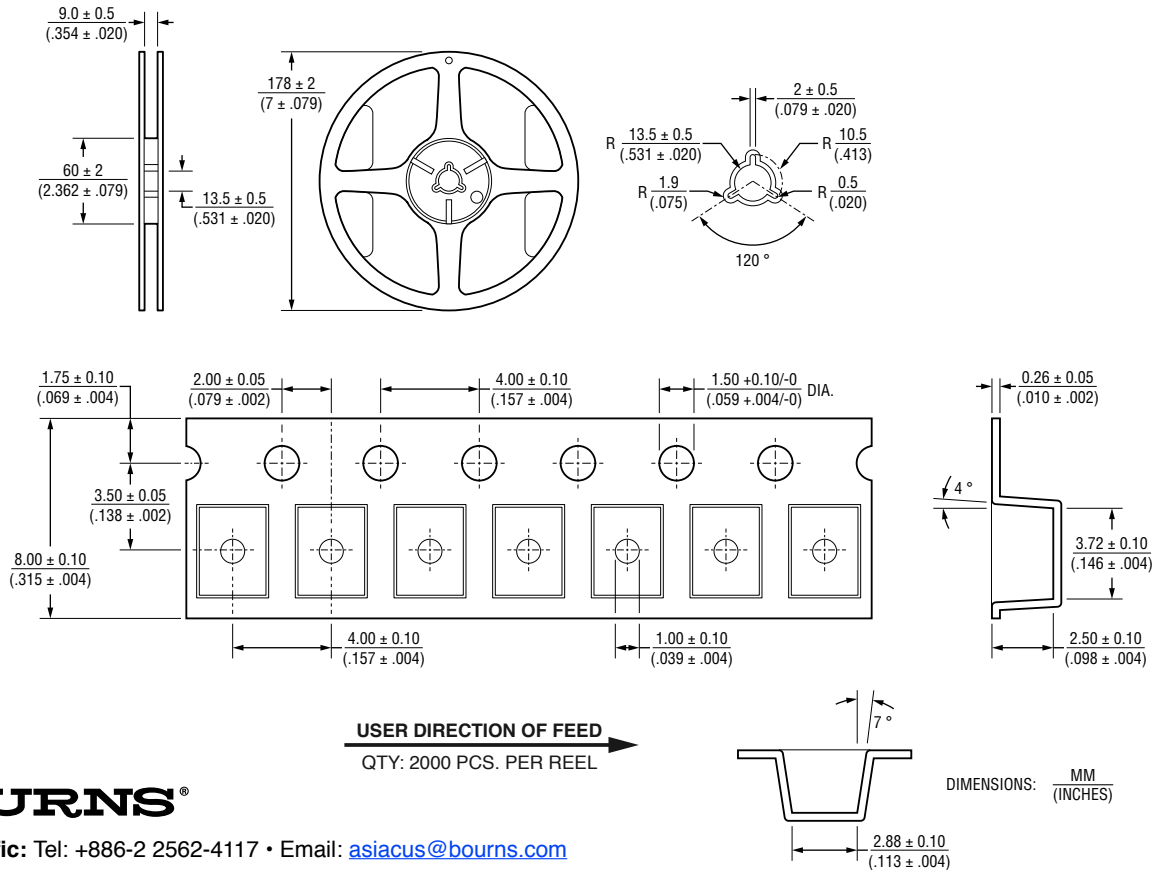
SRF3225TP-501Y



SRF3225TP-102Y



Packaging Specifications



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