

Features

- Current rating up to 1.4 A
- Inductance range: 120 to 5000 µH
- Frequency range to 200 MHz
- RoHS compliant*

Applications

■ EMI suppression

SRF1006 Series - Line Filter

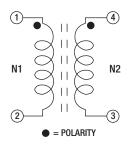
Electrical Specifications @ 25 °C

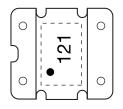
		Leakage	DCR			Impedance (Z)	
Part Number	L (μΗ) *	Ind. (µH) Max.	(Ω) max. (each winding)	Rated Voltage (Vdc)	Rated Current (A)	Freq. Range (MHz)	Min. Value (Ω)
SRF1006-121Y	120 ± 40 %	1.45	0.025	50	1.40	10 - 200	200
SRF1006-251Y	250 ± 40 %	3.2	0.035	50	1.19	5 - 100	400
SRF1006-501Y	500 ± 40 %	5.6	0.070	50	0.84	2 - 50	800
SRF1006-102Y	1000 ± 40 %	12	0.180	50	0.52	1 - 40	1400
SRF1006-202Y	2000 ± 40 %	0.23	0.270	50	0.40	0.5 - 15	2000
SRF1006-302Y	3000 ± 40 %	0.26	0.330	50	0.35	0.5 - 10	3000
SRF1006-402Y	4000 ± 40 %	0.27	0.550	50	0.30	0.5 - 5	4000
SRF1006-472Y	4700 ± 40 %	0.28	1.000	50	0.25	0.6 - 3	6200
SRF1006-502Y	5000 ± 40 %	0.29	0.620	50	0.25	0.5 - 3	5000

^{*} Test condition: 0.1 V. 100 KHz

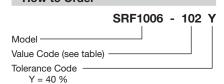
Schematic

Typical Part Marking

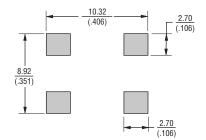




How to Order



Recommended Layout





Asia-Pacific: Tel: +886-2 2562-4117 • Fax: +886-2 2562-4116 **Europe:** Tel: +41-41 768 5555 • Fax: +41-41 768 5510 **The Americas:** Tel: +1-951 781-5500 • Fax: +1-951 781-5700 **www.bourns.com**



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

*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.

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General Specifications

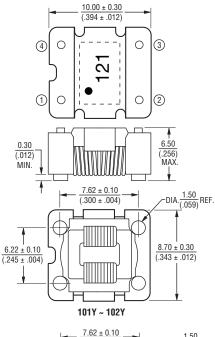
Temperature Rise .. 45 °C at rated current Hi-Pot 120 - $1000~\mu$ H........ 1000~Vrms, 60~Hz, 3~mA, 1~min. 2000 - $5000~\mu$ H....... 300~Vrms, 60~Hz, 3~mA, 1~min. Operating Temperature-40 °C to +105 °C (Temperature rise included)

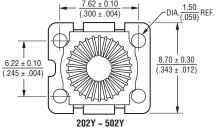
Storage Temperature ..-40 °C to +105 °C Solderability......245 °C for 5 sec. (JEDEC J-STD-020D)

Materials

Core Material Ferrite
Base Phenolic
Wire Enameled copper
Terminal coating Sn
Packaging 800 pcs. per 13-inch reel

Product Dimensions

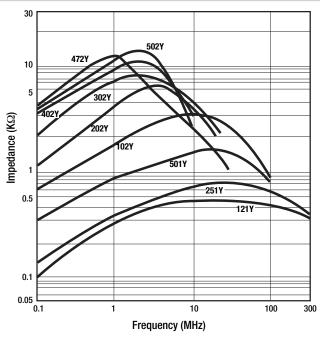


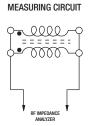


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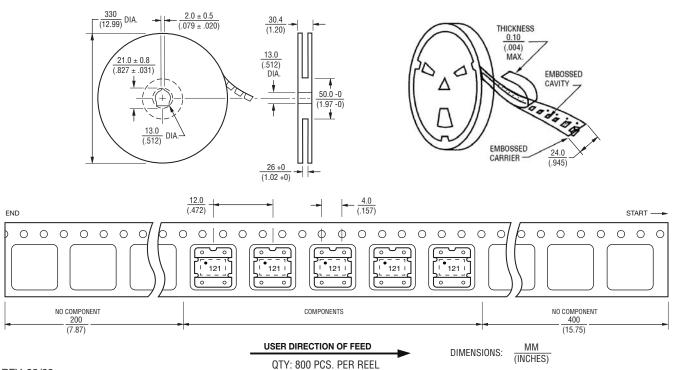
SRF1006 Series - Line Filter

Impedance Graph





Packaging Specifications



REV. 09/09

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