



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





Features

- Current rating up to 2.7 A
- Inductance range: 35 to 1000 μ H
- Frequency range to 250 MHz
- RoHS compliant*

Applications

- EMI suppression

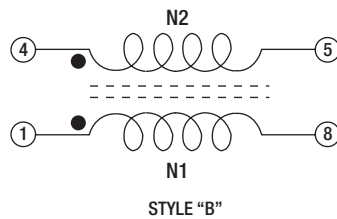
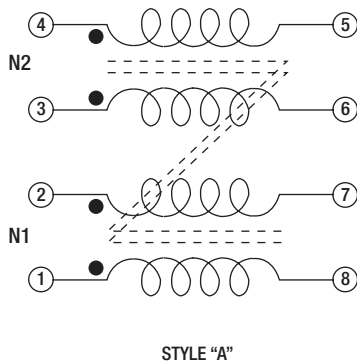
SRF1306 Series - Line Filter

Electrical Specifications @ 25 °C

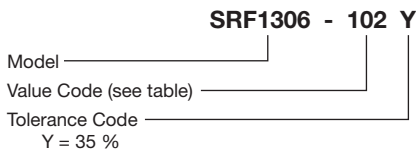
Part Number	L (μ H) *	Leakage Ind. (μ H) Max.	DCR (Ω) max. (each winding)	Rated Voltage (Vdc)	Rated Current (A)	Impedance (Z)		Electrical Schematic
						Freq. Range (MHz)	Min. Value (Ω)	
SRF1306-350Y	35 \pm 35 %	4	0.035	50	2.70	5 - 250	400	B
SRF1306-600Y	60 \pm 35 %	5	0.065	50	2.00	5 - 100	600	B
SRF1306-101Y	100 \pm 35 %	15	0.100	50	0.70	1 - 50	300	A
SRF1306-251Y	250 \pm 35 %	25	0.150	50	0.60	1 - 40	600	A
SRF1306-501Y	500 \pm 35 %	35	0.300	50	0.40	1 - 40	1200	A
SRF1306-102Y	1000 \pm 35 %	45	0.400	50	0.35	0.5 - 10	2200	A

* Test condition: 0.1 V, 100 KHz

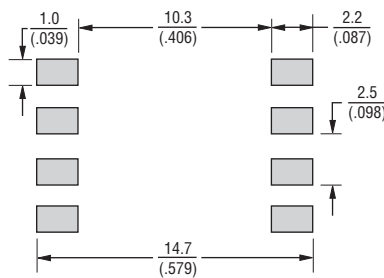
Schematics



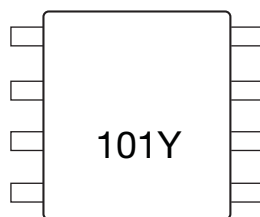
How to Order



Recommended Layout



Typical Part Marking



General Specifications

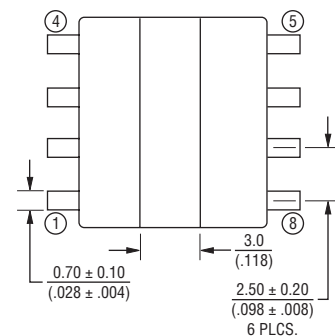
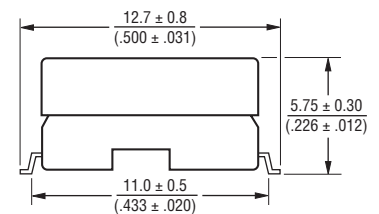
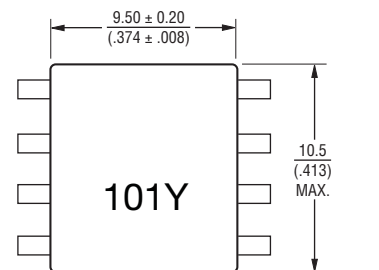
Temperature Rise .. 45 °C at rated current
 Hi-Pot 500 Vrms, 60 Hz,
 3 mA, 1 minute

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 LCP
 Wire Enameled copper
 Terminal coating Sn
 Packaging 600 pcs. per 13-inch reel

Product Dimensions



DIMENSIONS: $\frac{\text{MM}}{\text{INCHES}}$



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 Tel: +886-2 2562-4117
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 Tel: +41-41 768 5555
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 Fax: +1-951 781-5700

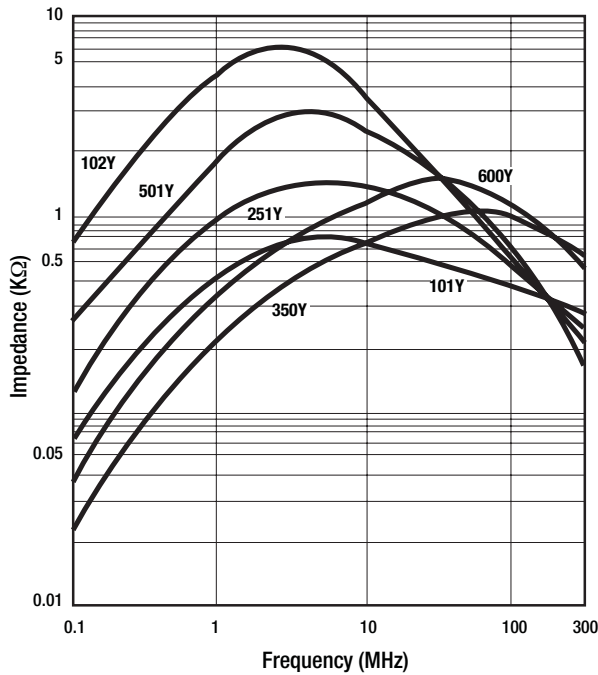
www.bourns.com

*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.
 Specifications are subject to change without notice.
 Customers should verify actual device performance in their specific applications

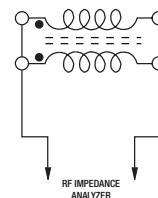
SRF1306 Series - Line Filter

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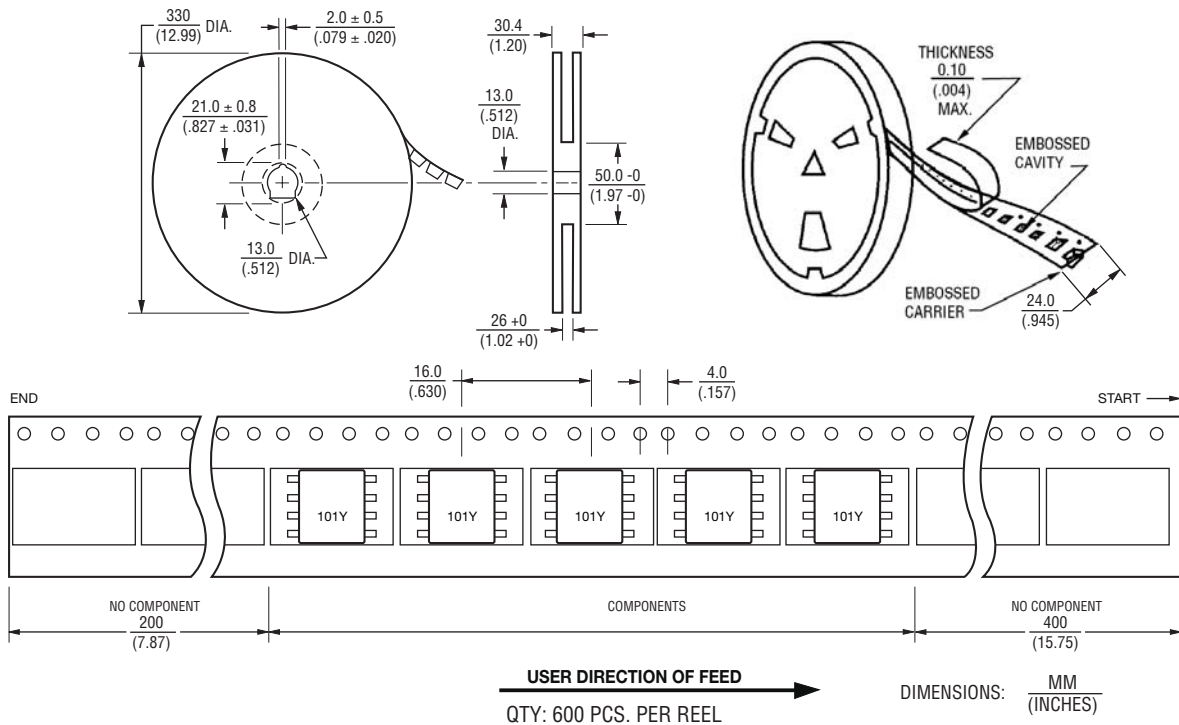
Impedance Graph



MEASURING CIRCUIT



Packaging Specifications



REV. 09/09

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Customers should verify actual device performance in their specific applications