



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

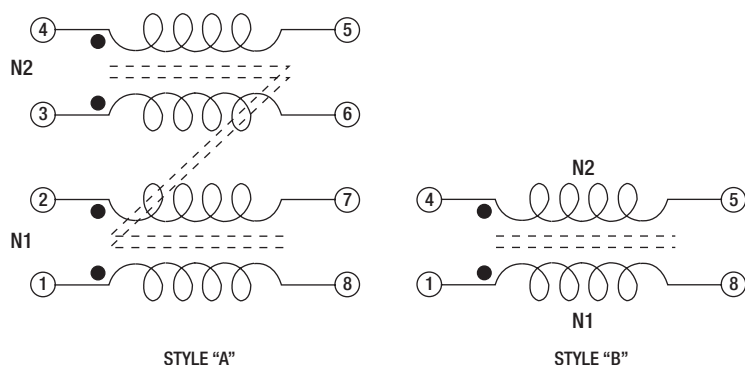
SRF1306 Series - Line Filter

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

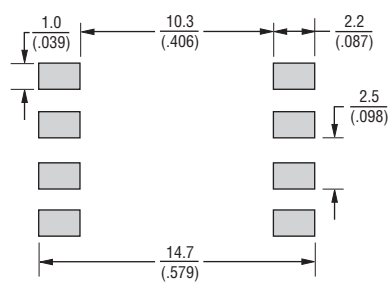
Schematics



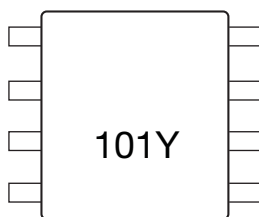
How to Order

Model **SRF1306 - 102 Y**
 Value Code (see table)
 Tolerance Code
 Y = 35 %

Recommended Layout



Typical Part Marking



General Specifications

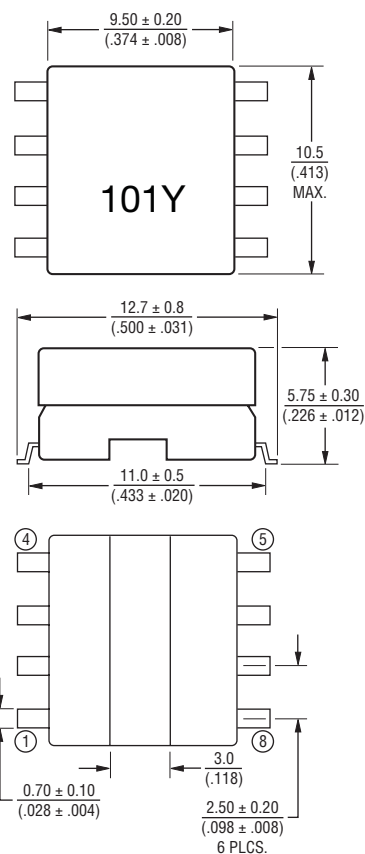
Temperature Rise .. 45 °C at rated current
 Hi-Pot 500 Vrms, 60 Hz,
 3 mA, 1 minute

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: $\frac{\text{MM}}{\text{(INCHES)}}$



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

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

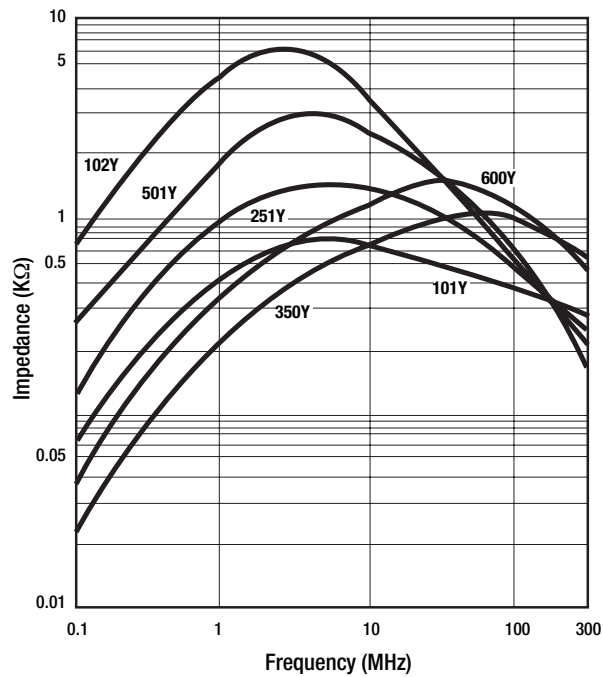
Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications

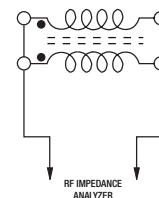
SRF1306 Series - Line Filter

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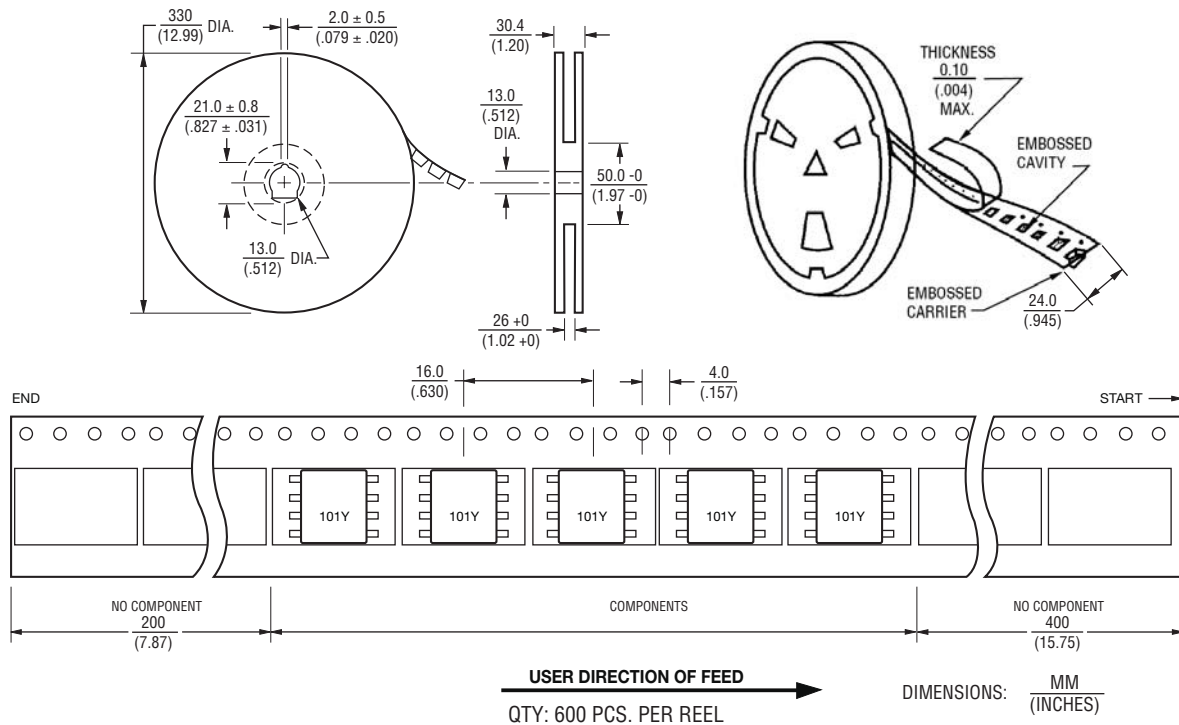
Impedance Graph



MEASURING CIRCUIT



Packaging Specifications



REV. 09/09

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Mouser Electronics

Authorized Distributor

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Bourns:

[SRF1306-350Y](#) [SRF1306-101Y](#) [SRF1306-102Y](#) [SRF1306-251Y](#) [SRF1306-501Y](#) [SRF1306-600Y](#)