



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

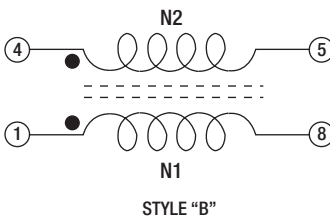
SRF1306 Series - Line Filter

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

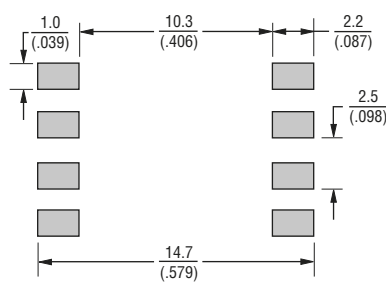
Schematics



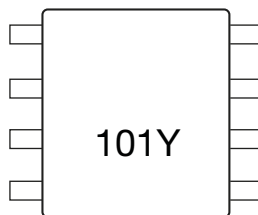
How to Order

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

Recommended Layout



Typical Part Marking



General Specifications

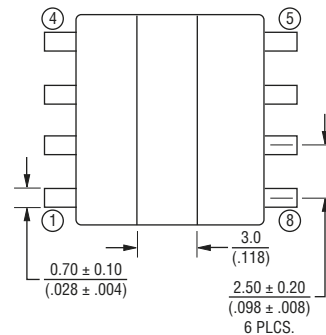
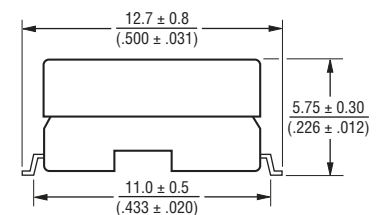
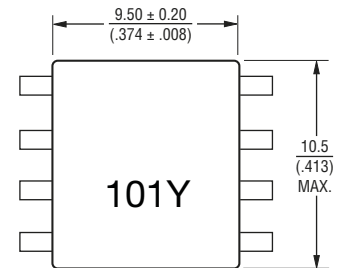
Temperature Rise .. 45 °C at rated current
 Hi-Pot 500 Vrms, 60 Hz,
 3 mA, 1 minute

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



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

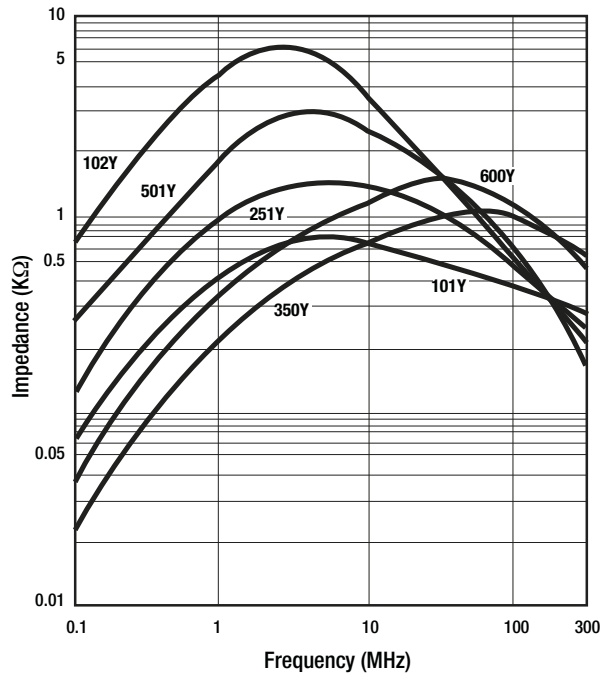
*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.

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SRF1306 Series - Line Filter

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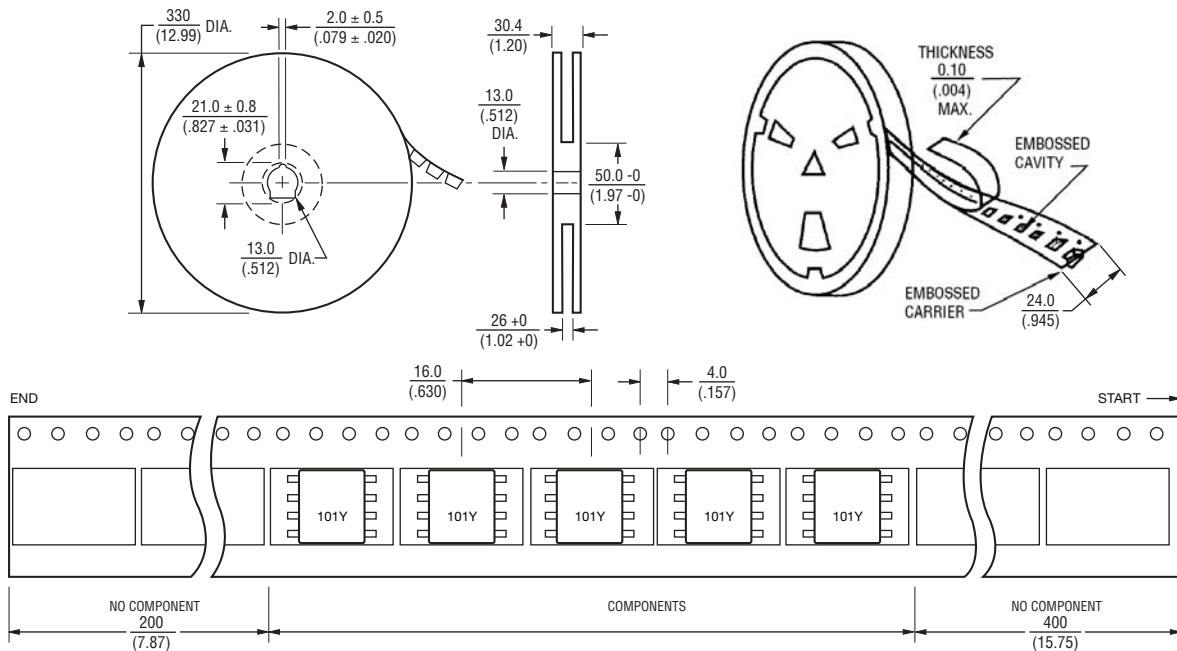
Impedance Graph



MEASURING CIRCUIT



Packaging Specifications



USER DIRECTION OF FEED →
QTY: 600 PCS. PER REEL

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

REV. 09/09

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