



Features

- Bifilar or sector windings
- Wide frequency range over 1000 MHz
- Rated current 0.2 to 0.5 A
- Open construction is more economical than DR332 Series
- RoHS compliant*

Applications

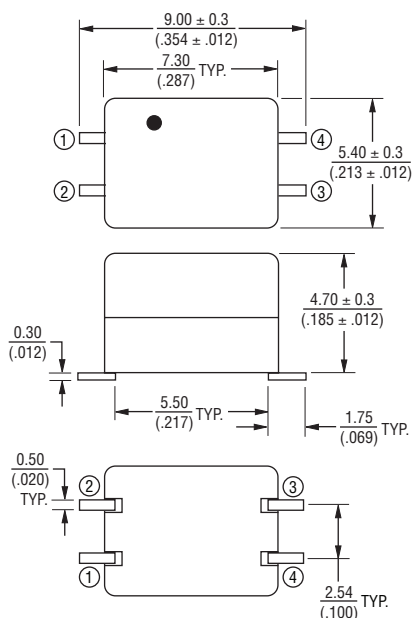
- For the suppression of EMI in data and signal lines, e.g. CANbus

DR331 Series Surface Mount Data Line Chokes

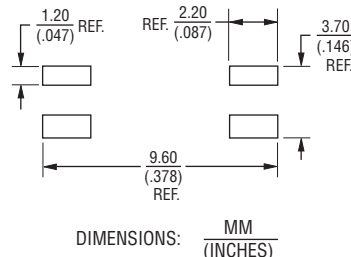
Electrical Specifications @ 25 °C

Bourns® Part No.	L (1-4) @ 100 kHz, 0.1 Vrms (μH)	LL (1-4) @ 100 kHz, 0.1 Vrms (Typ.) (2-3 Short)	RDC (W) (Winding) Max.	Rated Current Max.	Winding
DR331-113BE	11.0 ± 25 %	0.05 μH	0.12	0.5 A	Bifilar
DR331-253AE	25.0 ± 25 %	1.50 μH	0.20	0.5 A	Sector
DR331-513BE	51.0 ± 25 %	2.00 μH	0.30	0.5 A	Sector
DR331-513BE	51.0 ± 25 %	0.60 μH	0.30	0.5 A	Bifilar
DR331-104AE	100.0 ± 25 %	0.85 μH	0.10	0.5 A	Sector
DR331-474BE	470.0 ± 25 %	0.28 μH	0.28	0.5 A	Bifilar
DR331-105BE	1000.0 ± 25 %	0.29 μH	0.40	0.5 A	Bifilar
DR331-225BE	2200.0 ± 25 %	0.30 μH	0.70	0.3 A	Bifilar
DR331-475BE	4700.0 ± 25 %	0.30 μH	0.70	0.2 A	Bifilar

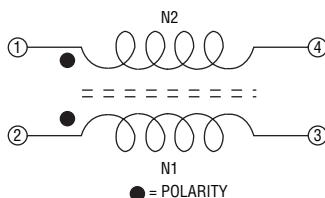
Product Dimensions



Recommended Layout



Schematic



How to Order

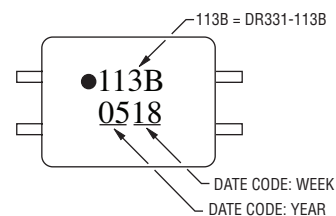
Model **DR331 - 253 A E**

Value Code **See Model-Value Table**

Winding Type **A = Sector, B = Bifilar**

Terminal **E = Cu/Ni/Sn (RoHS compliant)**

Typical Part Marking



BOURNS®

Asia-Pacific: Tel: +886-2 2562-4117 • Email: asiacus@bourns.com

EMEA: Tel: +36 88 520 390 • Email: eurocus@bourns.com

The Americas: Tel: +1-951 781-5500 • Email: americus@bourns.com

www.bourns.com

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

Specifications are subject to change without notice.

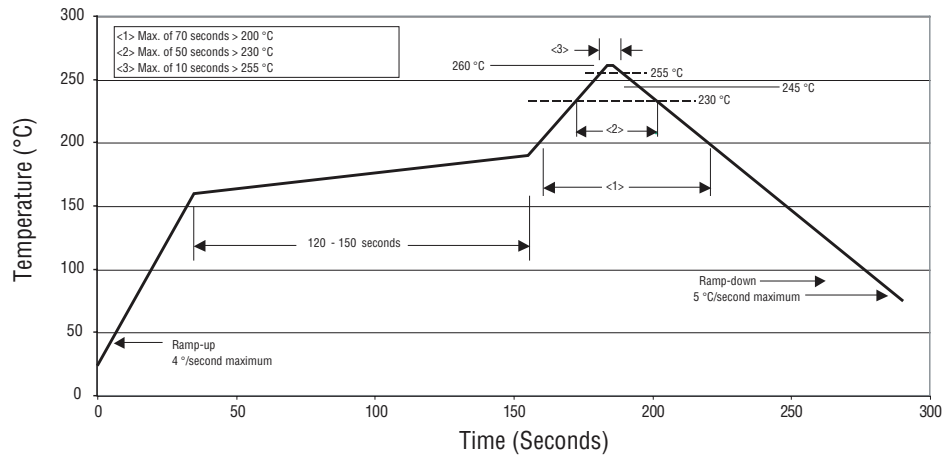
Users should verify actual device performance in their specific applications.

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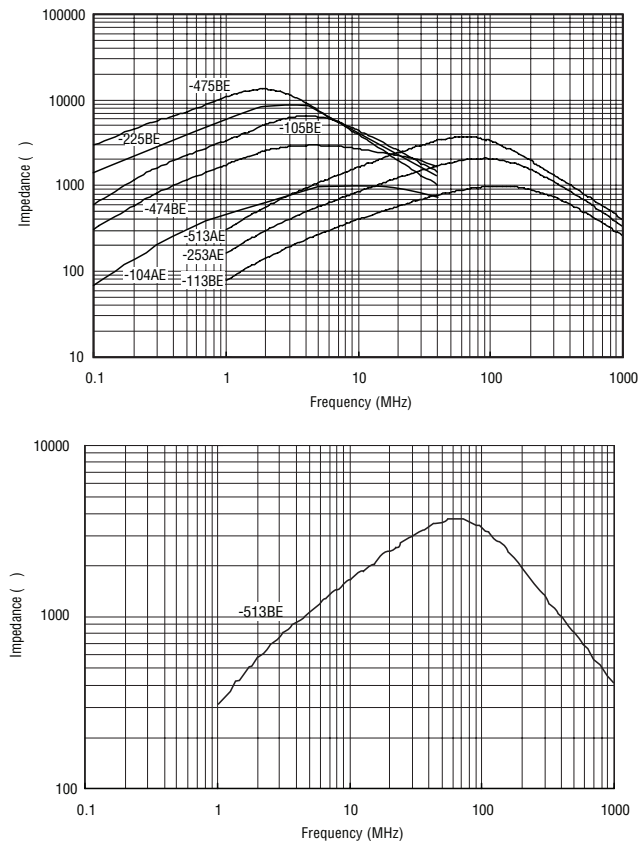
DR331 Series Surface Mount Data Line Chokes

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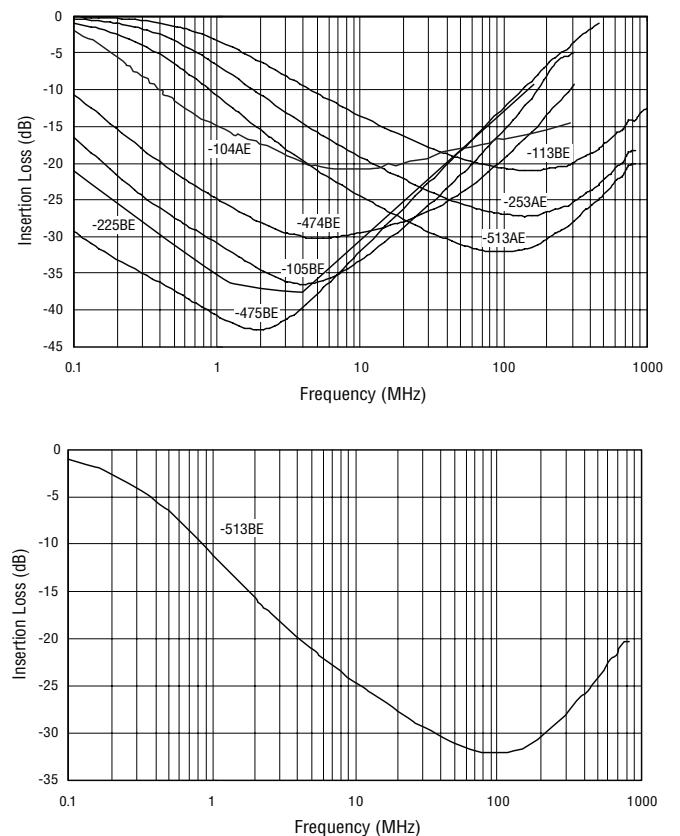
Solder Profile



Impedance vs. Frequency



Insertion Loss vs. Frequency



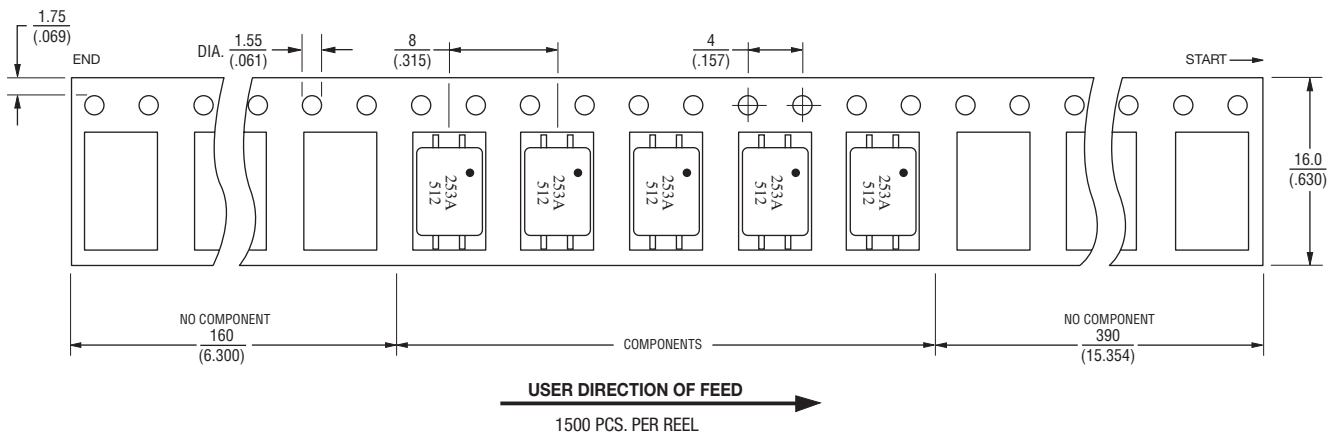
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Technical drawings of the 1000 Series 1/2" (12.7mm) diameter tape reel. The left drawing is a top view showing a circular tape reel with a central hub. Dimensions include an outer diameter of 330.0 (13.00) DIA., a central hole diameter of 2.0 ± 0.5 (.079 ± .020), and a hub diameter of 13.0 (0.512) DIA. The right drawing is a side view showing the tape thickness of 22.4 (.882) and the reel's height of 50.0 (1.969). A detail view of the tape shows a width of 18.0 (.709) and a hole diameter of 13.0 (0.512) DIA. The right drawing is a perspective view of the tape reel with labels for 'COVER TAPE' and 'EMBOSSED CARRIER'. Dimensions include a tape width of 16.0 (.630).



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