



### 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

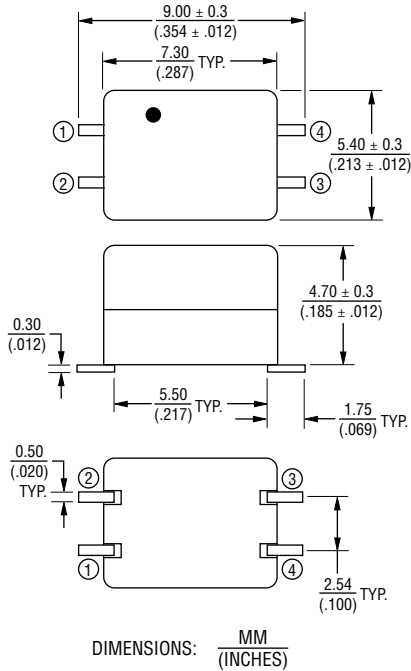
- For the suppression of EMI in data and signal lines

## DR331 Series Surface Mount Data Line Chokes

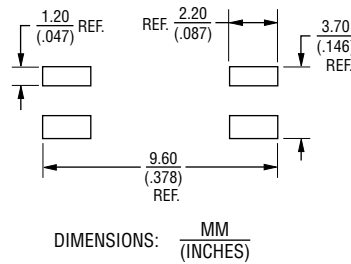
### Electrical Specifications @ 25 °C

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 (Ω) (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
DR331-513AE	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

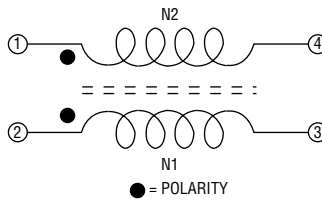
### Product Dimensions



### Recommended Layout



### Schematic



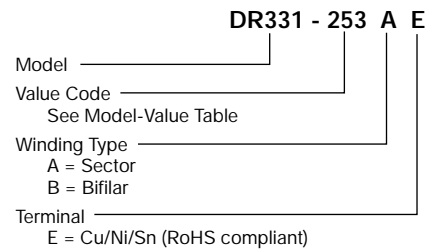
### General Specifications

Rated Voltage ..... 80 Vdc/42 Vac  
 Hipot (1 sec.) ..... 250 Vac/60 Hz, 3 mA  
 Operating Temperature ..... -40 °C to +135 °C  
 Storage Temperature ..... -55 °C to +135 °C  
 Temperature Rise ..... 30 °C max. at rated current  
 Resistance to Solder Heat ..... +260 °C, 10 sec.  
 Moisture Sensitivity Level ..... 1  
 ESD Classification (HBM) ..... N/A

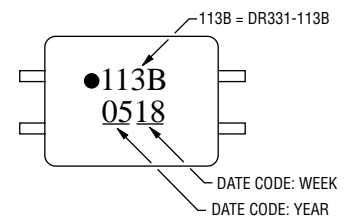
### Materials

Core ..... Ferrite  
 Wire .... Enameled copper wire (Class F)  
 Base ..... Phenolic (UL 94V-0)  
 Terminal ..... Cu/Ni/Sn  
 Adhesive ..... Epoxy resin  
 Packaging ..... 1500 pcs. per 13-inch reel

### How to Order



### Typical Part Marking



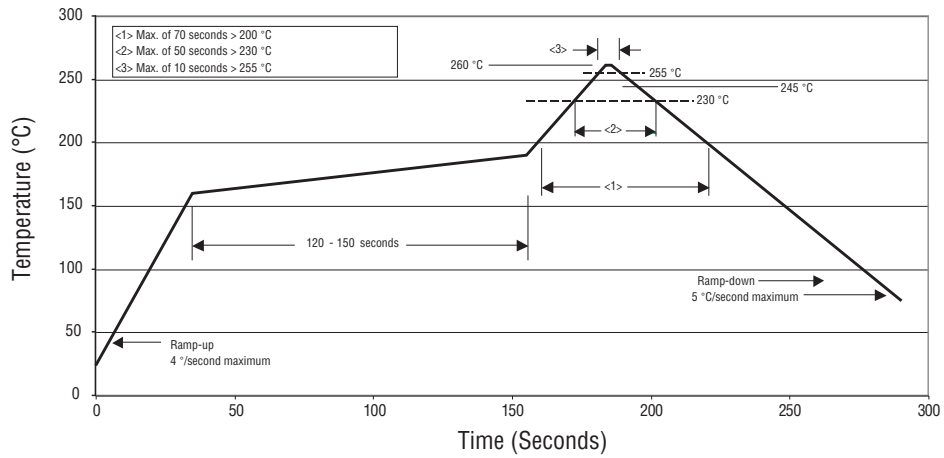
**WARNING**  
**Cancer and Reproductive Harm**  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

\* RoHS Directive 2015/863, Mar 31, 2015 and Annex.  
 Specifications are subject to change without notice.  
 Users should verify actual device performance in their specific applications.  
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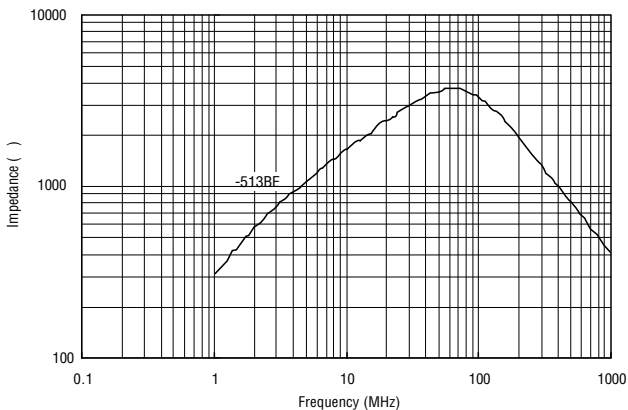
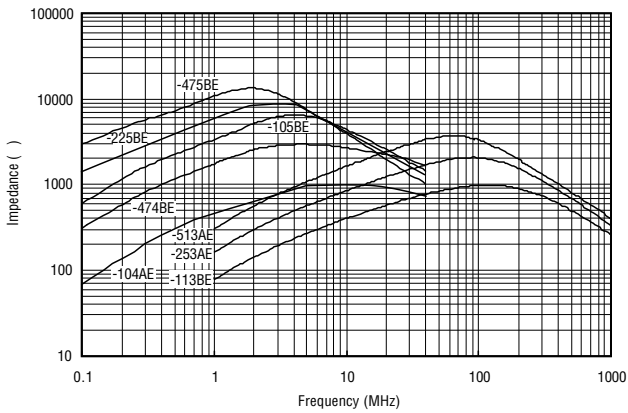
# DR331 Series Surface Mount Data Line Chokes



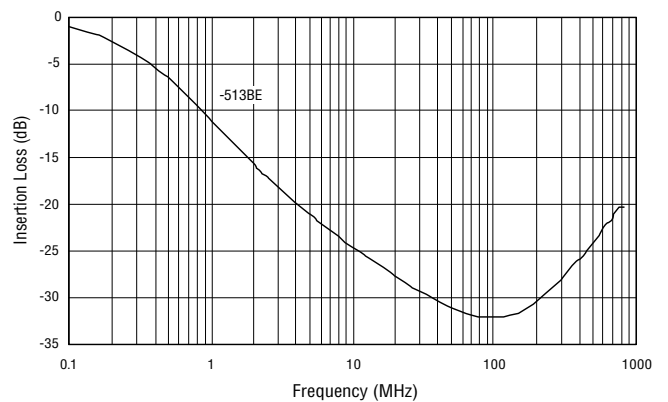
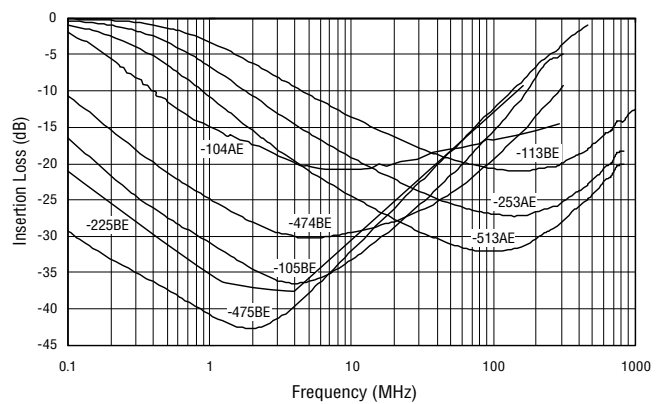
## Solder Profile



## Impedance vs. Frequency



## Insertion Loss vs. Frequency



Specifications are subject to change without notice.

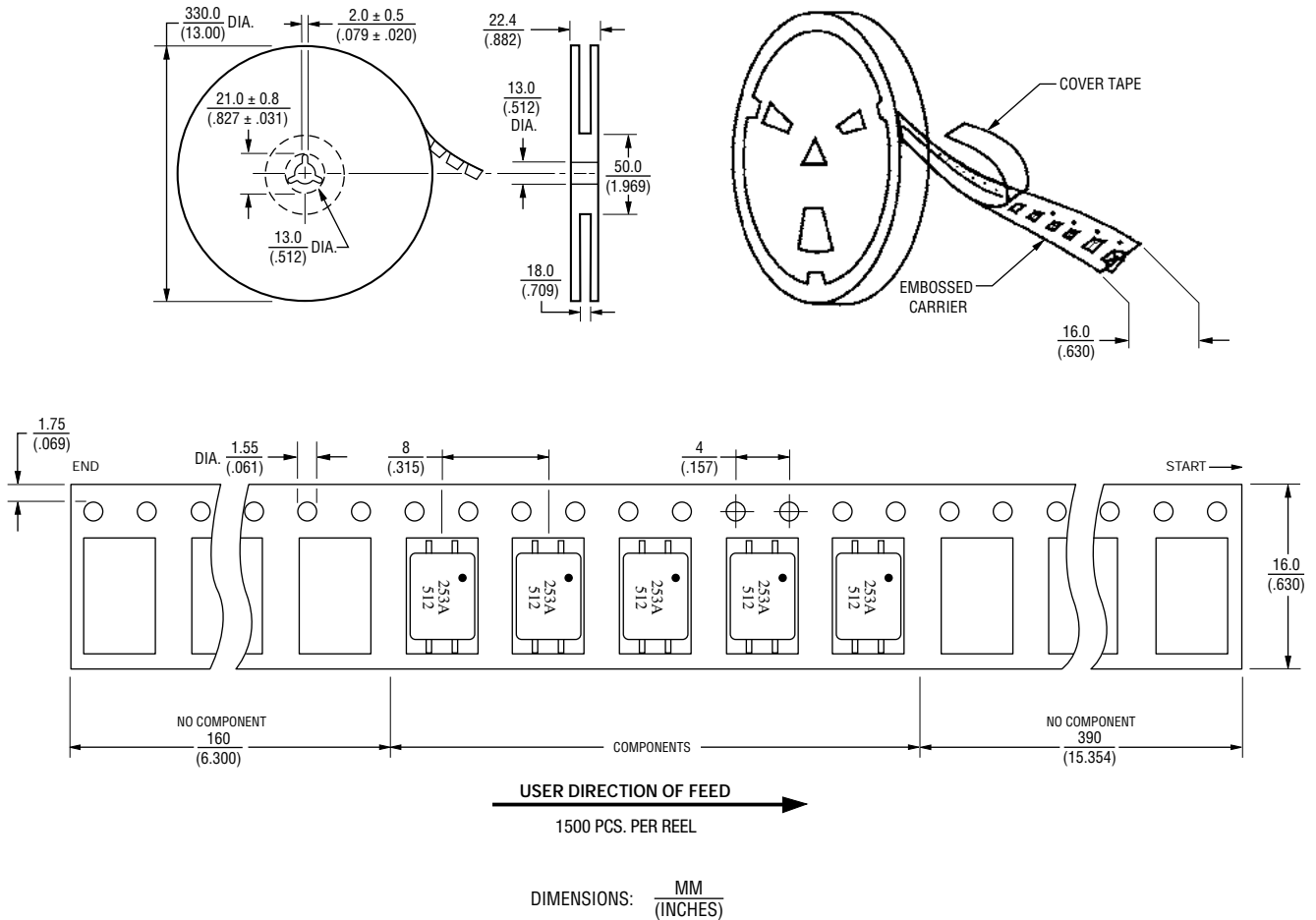
Users should verify actual device performance in their specific applications.

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# DR331 Series Surface Mount Data Line Chokes

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## Packaging Specifications



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