

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

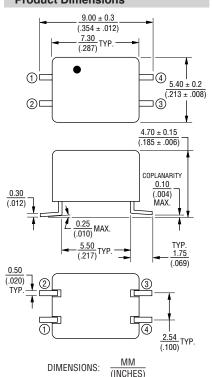
 For the suppression of EMI in data and signal lines

DR331 Series Surface Mount Data Line Chokes

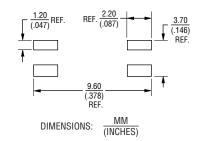
Electrical Specifications @ 25 °C

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 <i>μ</i> H	0.12	0.5 A	Bifilar
DR331-253AE	25.0 ± 25 %	1.50 <i>μ</i> H	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 <i>μ</i> H	0.30	0.5 A	Bifilar
DR331-104AE	100.0 ± 25 %	0.85 <i>μ</i> H	0.10	0.5 A	Sector
DR331-474BE	470.0 ± 25 %	0.28 <i>μ</i> H	0.28	0.5 A	Bifilar
DR331-105BE	1000.0 ± 25 %	0.29 <i>μ</i> H	0.40	0.5 A	Bifilar
DR331-225BE	2200.0 ± 25 %	0.30 <i>μ</i> H	0.70	0.3 A	Bifilar
DR331-475BE	4700.0 ± 25 %	0.30 <i>μ</i> H	0.70	0.2 A	Bifilar

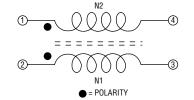
Product Dimensions



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

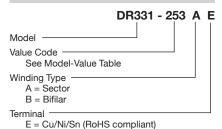
......30 °C max. at rated current Resistance to Solder Heat

.....+260 °C, 10 sec.

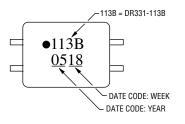
Materials

CoreFerrite
Wire Enameled copper wire (Class F)
BasePhenolic (UL 94V-0)
TerminalCu/Ni/Sn
AdhesiveEpoxy resin
Packaging 1500 pcs. per 13-inch reel

How to Order

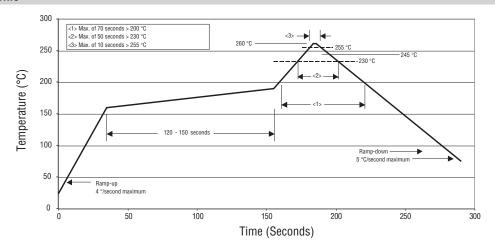


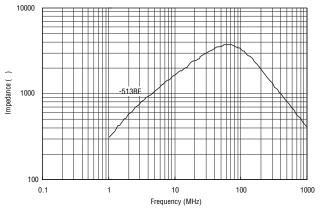
Typical Part Marking

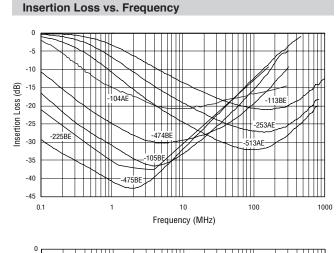


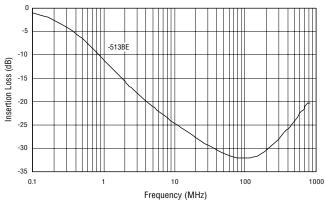


Solder Profile





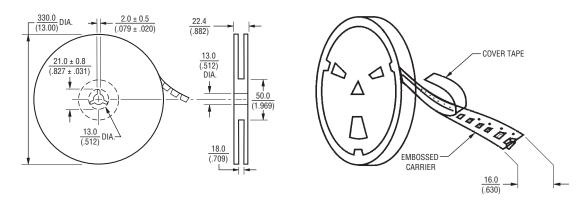


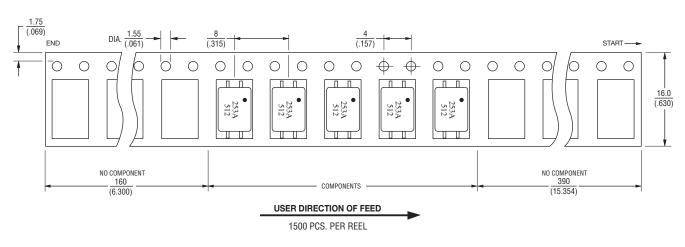


DR331 Series Surface Mount Data Line Chokes

BOURNS®

Packaging Specifications





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

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