


Features

- Lead free
- RoHS compliant*
- Bifilar or sector windings
- Wide frequency range over 1000MHz
- Rated current 0.2 to 0.5A
- Model DR331 recommended for new designs

 Model DR332 is currently available, although not recommended for new designs. Use Model DR331.

DR332 Series Surface Mount Data Line Chokes

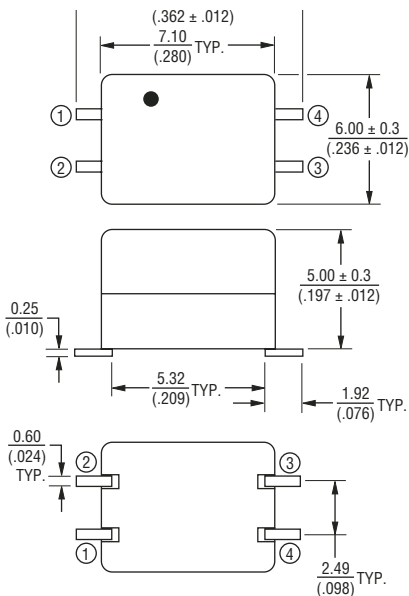
Electrical Characteristics (@ 25 °C)

Bourns Part Number	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. (Ω)	Rated Current Max.	Winding
DR332-113AE	11.0 +25 %	0.05 μH	0.12	0.5 A	Bifilar
DR332-253AE	25.0 +25 %	1.50 μH	0.20	0.5 A	Sector
DR332-513AE	51.0 +25 %	2.00 μH	0.30	0.5 A	Sector
DR332-474AE	470.0 +25 %	0.28 μH	0.28	0.5 A	Bifilar
DR332-105AE	1000.0 +25 %	0.29 μH	0.40	0.5 A	Bifilar
DR332-475AE	4700.0 +25 %	0.30 μH	0.70	0.2 A	Bifilar

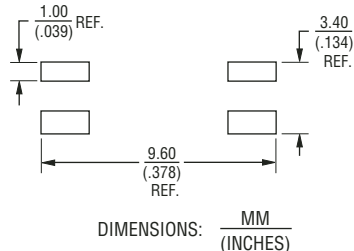
Note: For tape and reel packaging, add "E" at the end of part number.

Rated Voltage80 Vdc/42 Vac
 Hipot (1 sec.).....250 Vac/60 Hz, 3 mA
 *Operating Temperature ..-40 to +135 °C
 *Storage Temperature-40 to +135 °C
 Temperature Rise
30 °C max. at rated current
 Resistance to Solder Heat
260 °C 10 sec.
 CoreFerrite
 WireEnameled copper wire (Class F)
 BasePPHS (UL 94V-0)
 TerminalCu/Ni/Sn
 Adhesive.....Epoxy resin
 Packaging1500 pcs. per reel

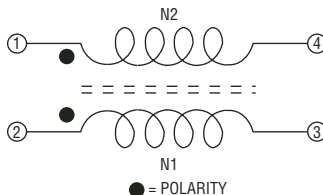
Product Dimensions



Recommended PCB Layout



Schematic



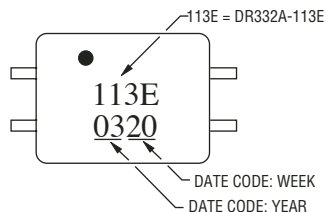
*Model DR443-475:

Operating Temperature-40 to +100 °C
 Storage Temperature-40 to +100 °C

How to Order

DR332 - 513 AE
 Model _____
 Value Code _____
 See Model-Value Table
 Termination _____
 AE = Cu/Ni/Sn (Lead Free)

Typical Part Marking



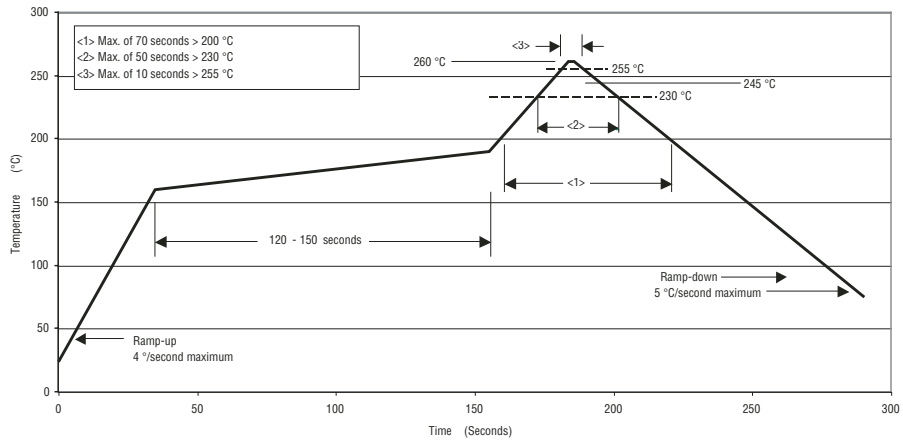
Applications

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

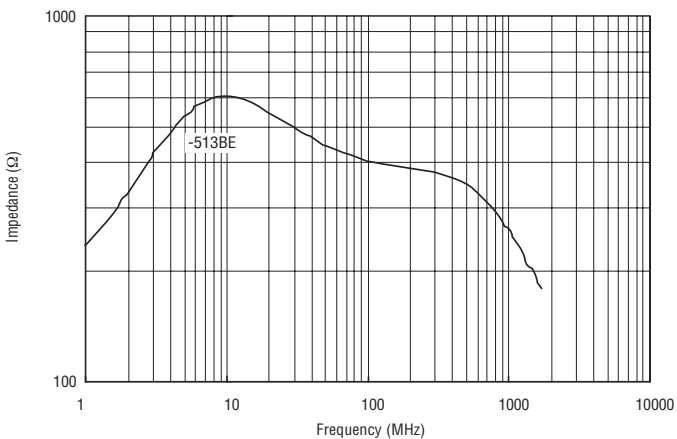
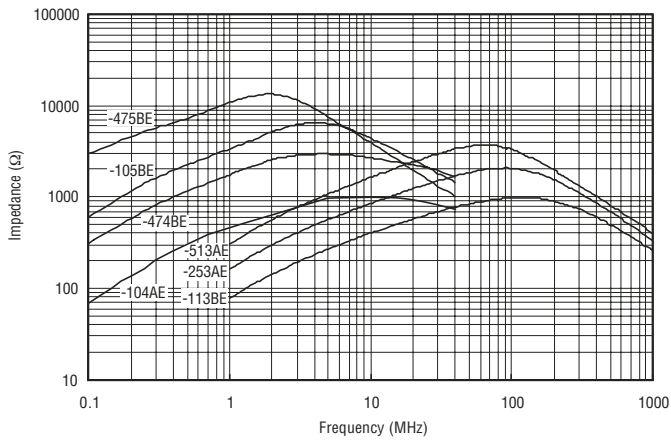
DR332 Series Surface Mount Data Line Chokes

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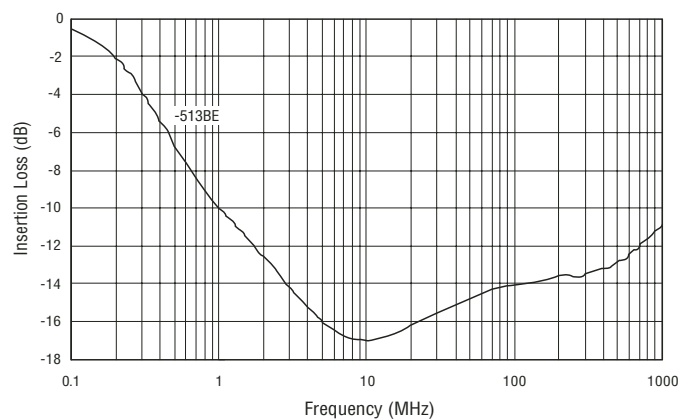
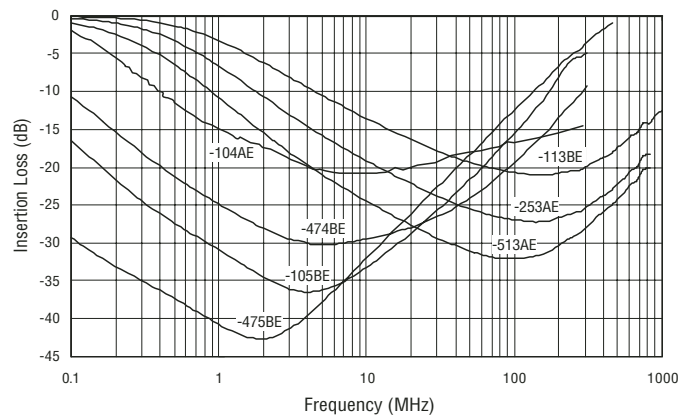
Solder Profile



Impedance vs. Frequency



Insertion Loss vs. Frequency

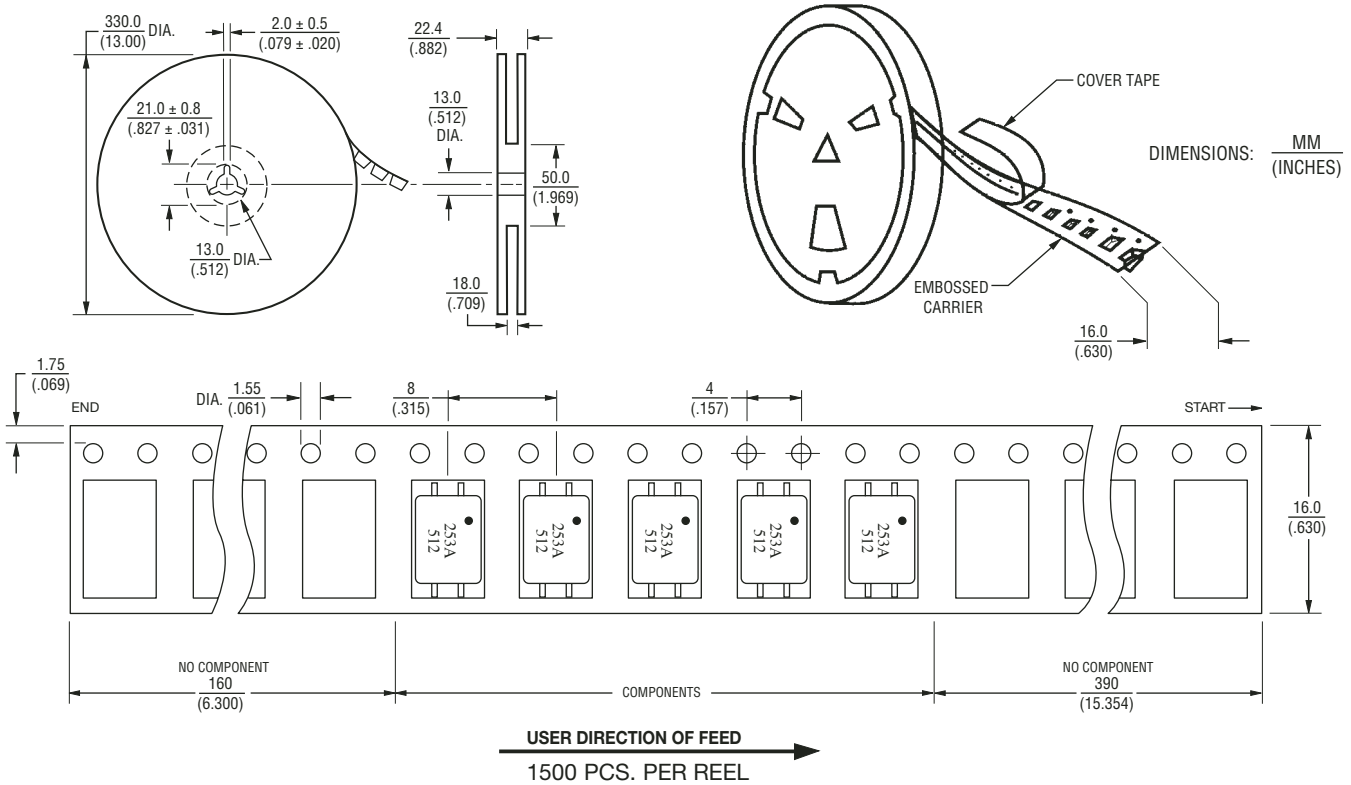


Specifications are subject to change without notice.
 Customers should verify actual device performance in their specific applications.

DR332 Series Surface Mount Data Line Chokes

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Packaging Specifications



REV. 10/05

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