



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Features

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

Applications

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

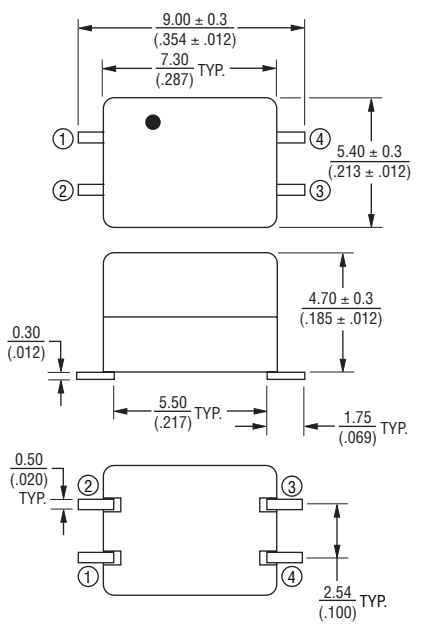
DR331 Series Surface Mount Data Line Chokes

Electrical Characteristics (@ 25 °C)

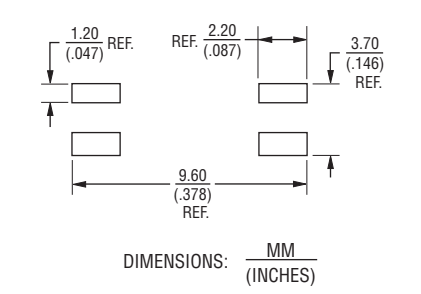
Bourns Part Number	L (1-4) @ 100 kHz, 0.1 Vrms (μH)	LL (1-4) @ 100 kHz, 0.1 Vrms (Typ.) (2-3 Short)	RDC (Ω) (Winding) Max.	Rated Current Max.	Winding
DR331-113BE	11.0 ±25 %	0.05 μH	0.12	0.5 A	Bifilar
DR331-253AE	25.0 ±25 %	1.50 μH	0.20	0.5 A	Sector
DR331-513AE	51.0 ±25 %	2.00 μH	0.30	0.5 A	Sector
DR331-513BE	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

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)
 BasePhenolic (UL 94V-0)
 TerminalCu/Ni/Sn
 Adhesive.....Epoxy resin
 Packaging1500 pcs. per reel

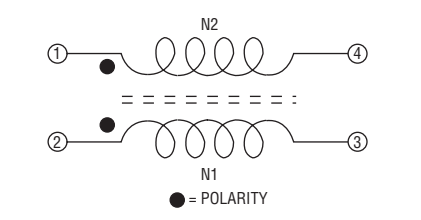
Product Dimensions



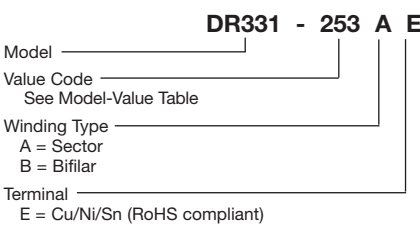
Recommended PCB Layout



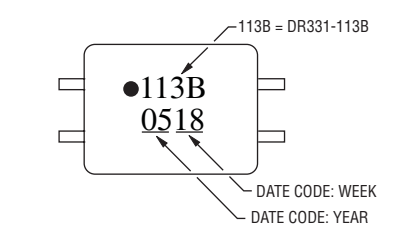
Schematic



How to Order



Typical Part Marking

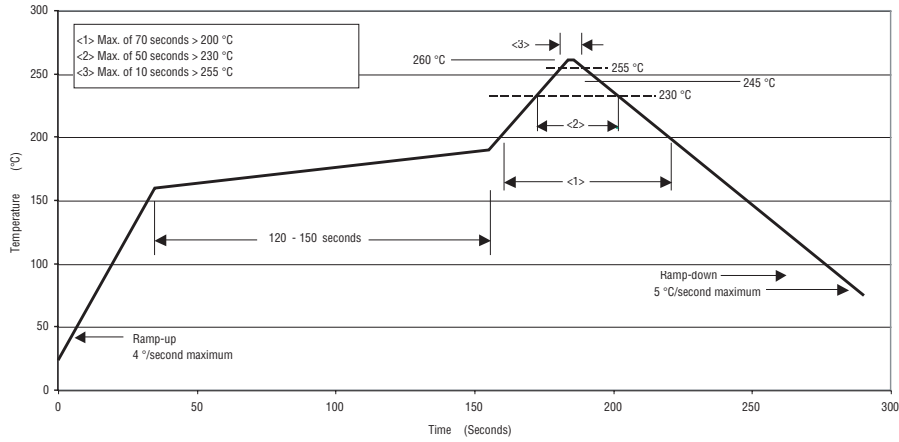


*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
 Specifications are subject to change without notice.
 Customers should verify actual device performance in their specific applications.

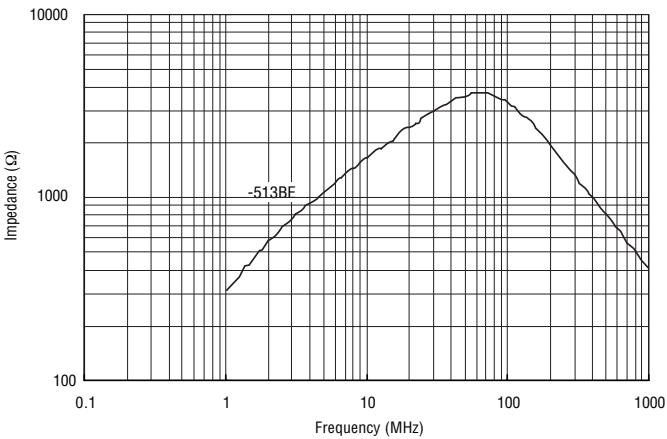
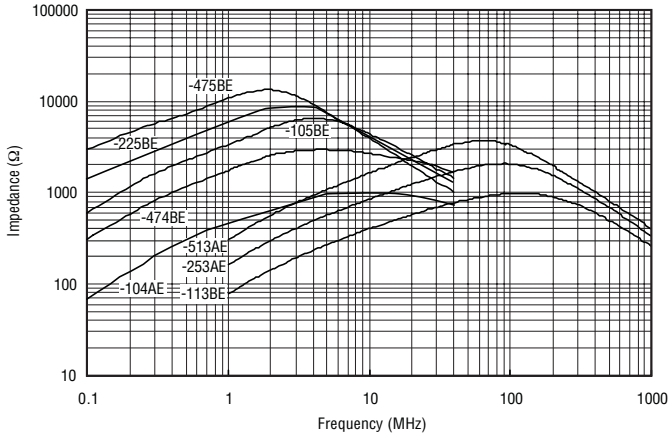
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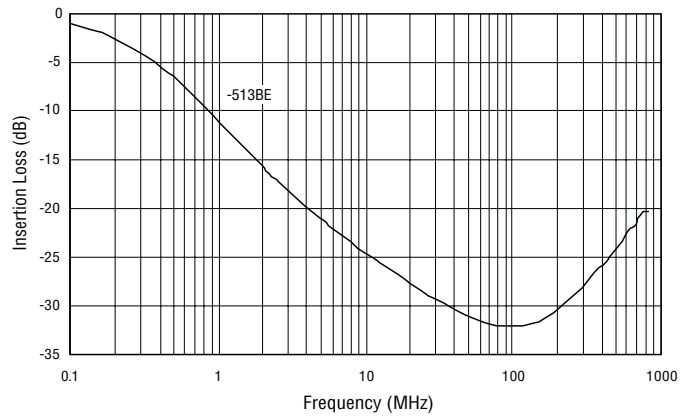
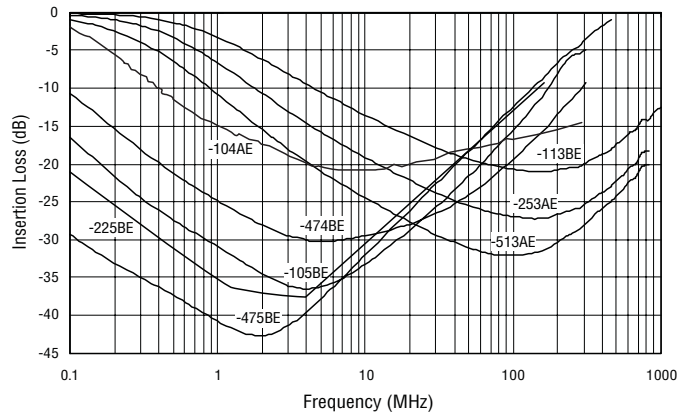
Solder Profile



Impedance vs. Frequency



Insertion Loss vs. Frequency

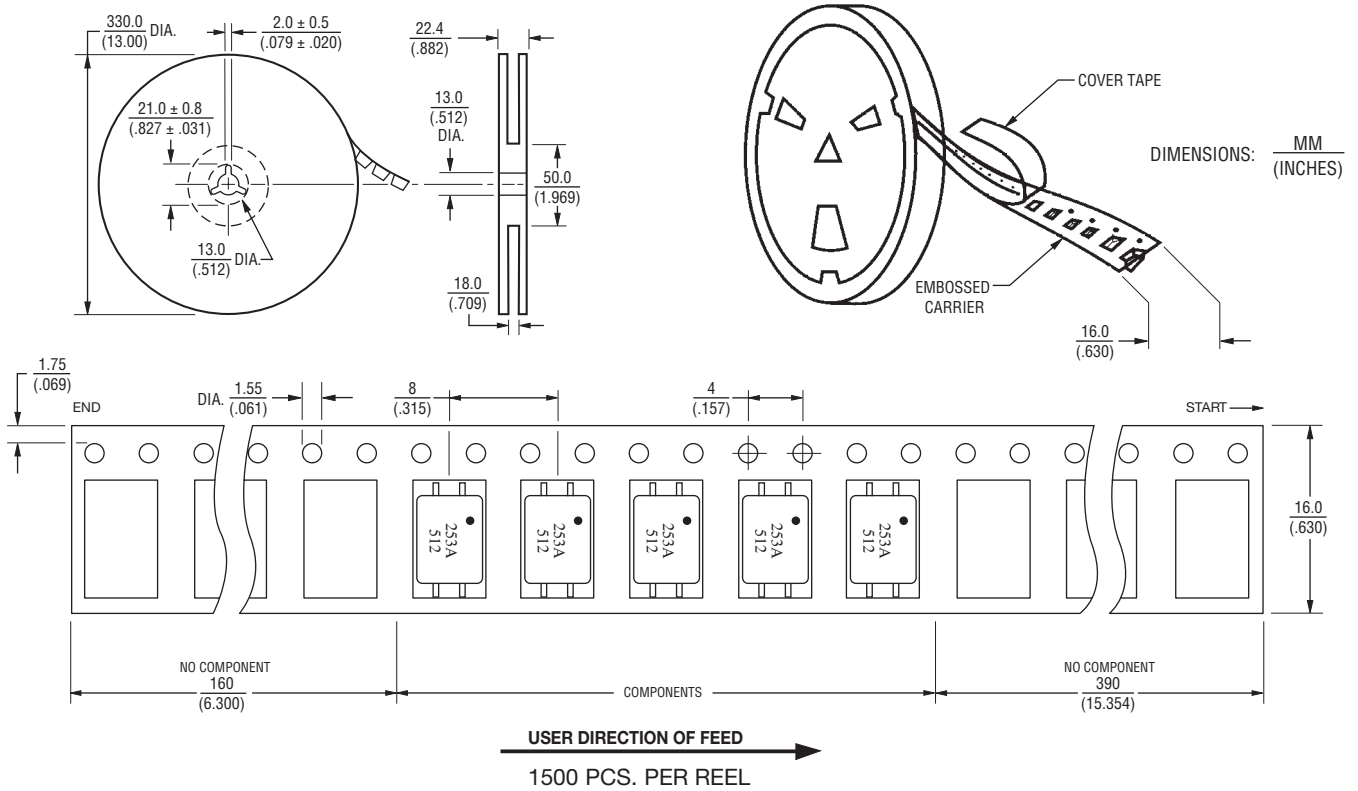


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Packaging Specifications



REV. 06/12

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