



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 (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 |
| DR331-513AE | 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 |

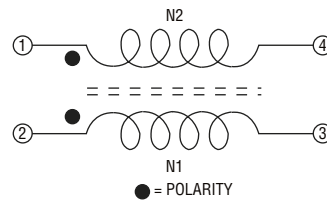
Product Dimensions



Recommended Layout



Schematic



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



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EMEA: Tel: +36 88 520 390 • Email: eurocus@bourns.com
The Americas: Tel: +1-951 781-5500 • Email: americus@bourns.com
www.bourns.com



WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

*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. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

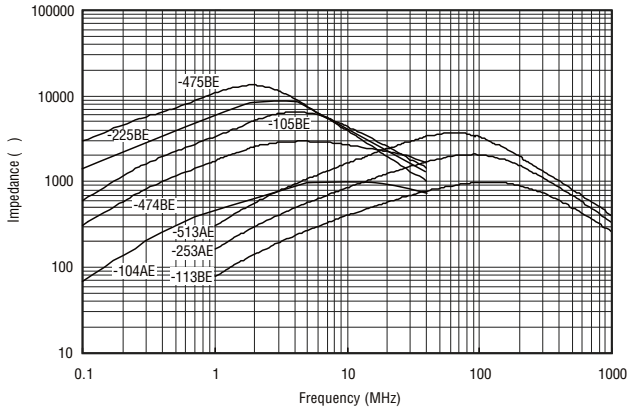
DR331 Series Surface Mount Data Line Chokes

BOURNS®

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

BOURNS®

Packaging Specifications



REV. 03/18

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С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

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- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
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- Наличие сертификата ISO.

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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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