

Features

RoHS compliant*

- Sector windings
- Wide frequency range over 500 MHz
- Rated current 0.1 to .025 A
- High quality toroidal core

Applications

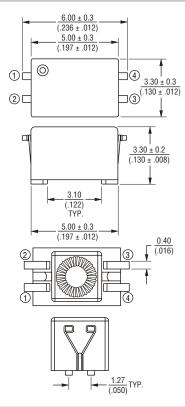
For the suppression of EMI in data and signal lines

DR221 Series Surface Mount Data Line Chokes

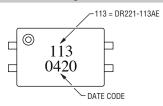
Electrical Specifications @ 25 °C

Bourns	L1, L2 @ 10 kHz, 0.1 Vrms	Freq. Range	Impedance (Ω)	RDC (Ω) (Each Wind- ing)		Rated Current
Part No.	(μH)	(MHz)	Min.	Max.	Тур.	(mA)
DR221-113AE	11.0 +50 %/-30 %	100~500	450	0.18	0.13	250
DR221-223AE	22.0 +50 %/-30 %	40~300	900	0.23	0.17	250
DR221-333AE	33.0 +50 %/-30 %	30~250	1000	0.27	0.20	200
DR221-513AE	50.0 +50 %/-30 %	20~150	1400	0.32	0.24	200
DR221-474AE	470 +50 %/-30 %	2.5~60	1100	0.35	0.28	100

Product Dimensions

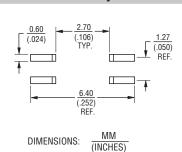


Typical Part Marking





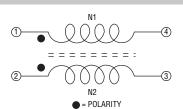
Recommended PCB Layout



General Specifications

Rated Voltage 50 Vdc/100 Vac (ref.) Hipot (1 sec.) 500 Vac/60 Hz, 3 mA Operating Temperature40 to +125 °C Storage Temperature40 to +125 °C Temperature Rise
Materials
CoreFerrite WireEnameled copper wire (Class F) BaseLCP (UL 94V-0) TerminalCu/Ni/Sn

Schematic

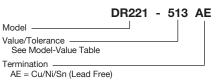


Adhesive..... Epoxy resin

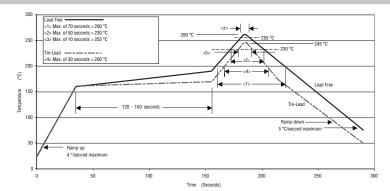
Weight2 g

Packaging...... 500 pcs. per reel

How to Order



Solder Profile

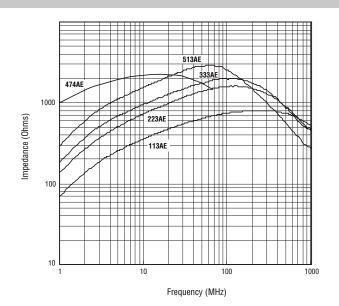


*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

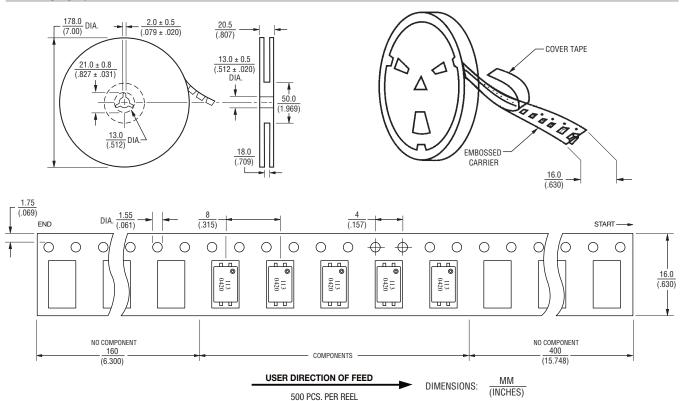
DR221 Series Surface Mount Data Line Chokes

BOURNS®

Impedance vs. Frequency



Packaging Specifications



REV. 03/18

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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