

Features

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

Applications

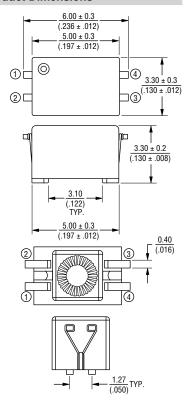
■ For the suppression of EMI in data and signal lines

DR221 Series Surface Mount Data Line Chokes

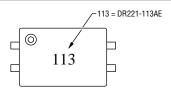
Electrical Specifications @ 25 °C

Bourns	L1, L2 @ 10 kHz, 0.1 Vrms	lz, Freq. Impedance ing)		Wind-	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

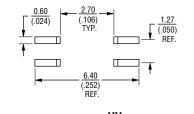
Product Dimensions



Typical Part Marking

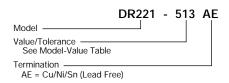


Recommended PCB Layout



DIMENSIONS: $\frac{|V||V|}{(INCHES)}$

How to Order



General Specifications

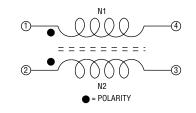
Rated Voltage...... 50 Vdc/100 Vac (ref.) Hipot (1 sec.)....... 500 Vac/60 Hz, 3 mA Operating Temperature....-40 to +125 °C Storage Temperature.....-40 to +125 °C Temperature Rise

.....25 °C max. at rated current Resistance to Solder Heat

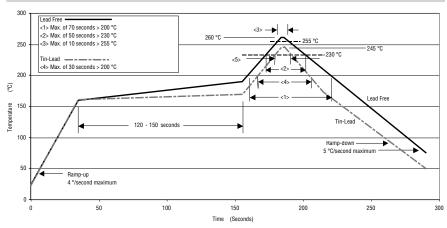
Materials

Core	Ferrite
Wire Enameled	copper wire (Class F)
Base	LCP (UL 94V-0)
Terminal	Cu/Ni/Sn
Adhesive	Epoxy resin
Weight	2 g
Packaging	500 pcs. per reel

Schematic



Solder Profile





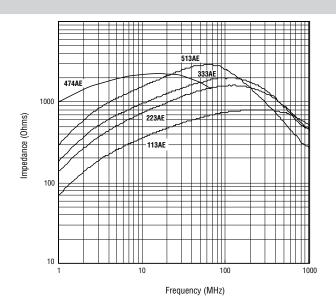
^{*} RoHS Directive 2015/863, Mar 31, 2015 and Annex. Specifications are subject to change without notice.

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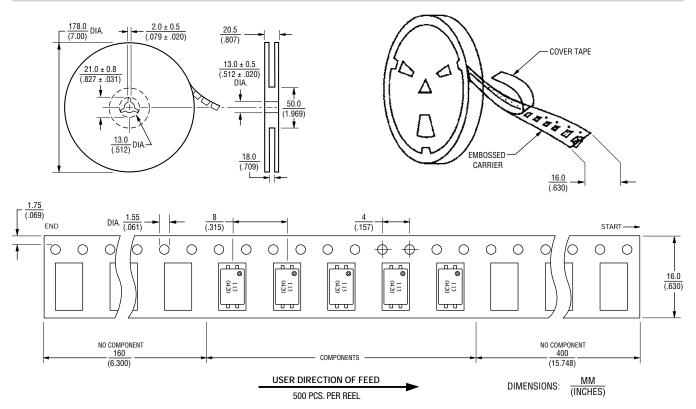
DR221 Series Surface Mount Data Line Chokes

BOURNS

Impedance vs. Frequency



Packaging Specifications



REV. 11/19

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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