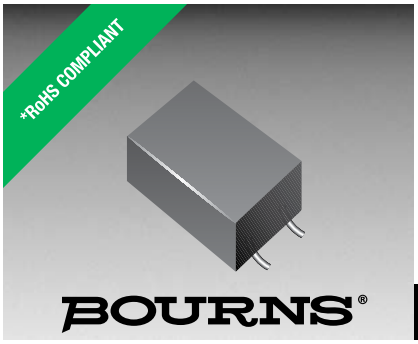


Features

- 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 Part No.	L1, L2 @ 10 kHz, 0.1 Vrms (μH)	Freq. Range (MHz)	Impedance (Ω) Min.	RDC (Ω) (Each Winding)		Rated Current (mA)
				Max.	Typ.	
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

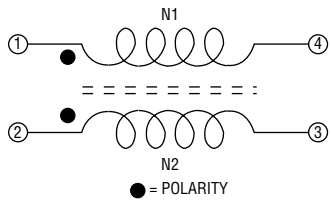
General Specifications

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
..... 260 °C 10 sec.
Moisture Sensitivity Level.....1
ESD Classification (HBM)..... N/A

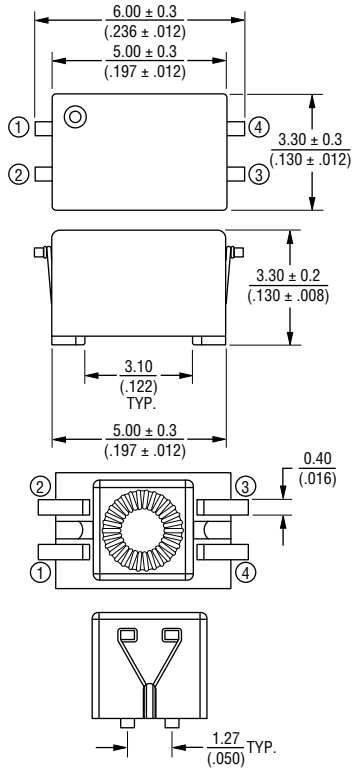
Materials

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

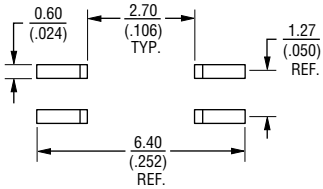
Schematic



Product Dimensions



Recommended PCB Layout



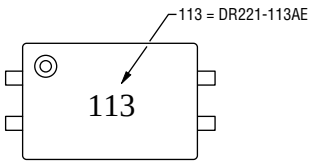
DIMENSIONS: MM / (INCHES)

How to Order

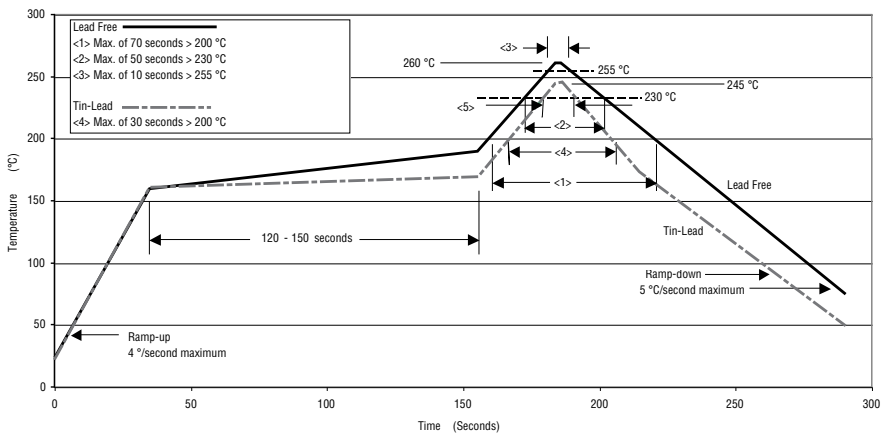
DR221 - 513 AE

Model
Value/Tolerance
See Model-Value Table
Termination
AE = Cu/Ni/Sn (Lead Free)

Typical Part Marking



Solder Profile

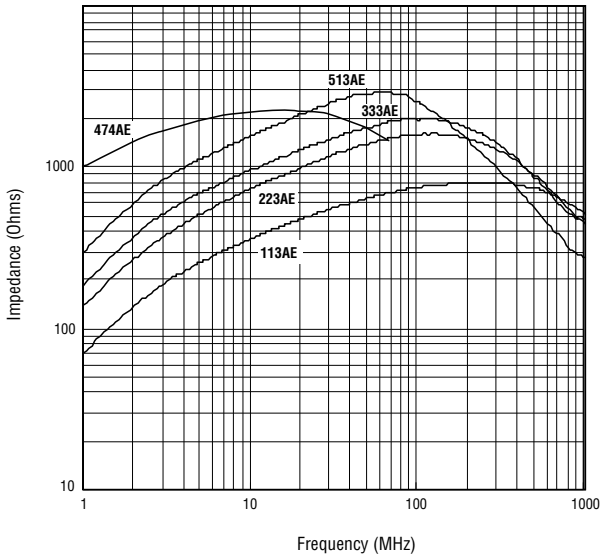


WARNING
Cancer and Reproductive Harm
www.P65Warnings.ca.gov

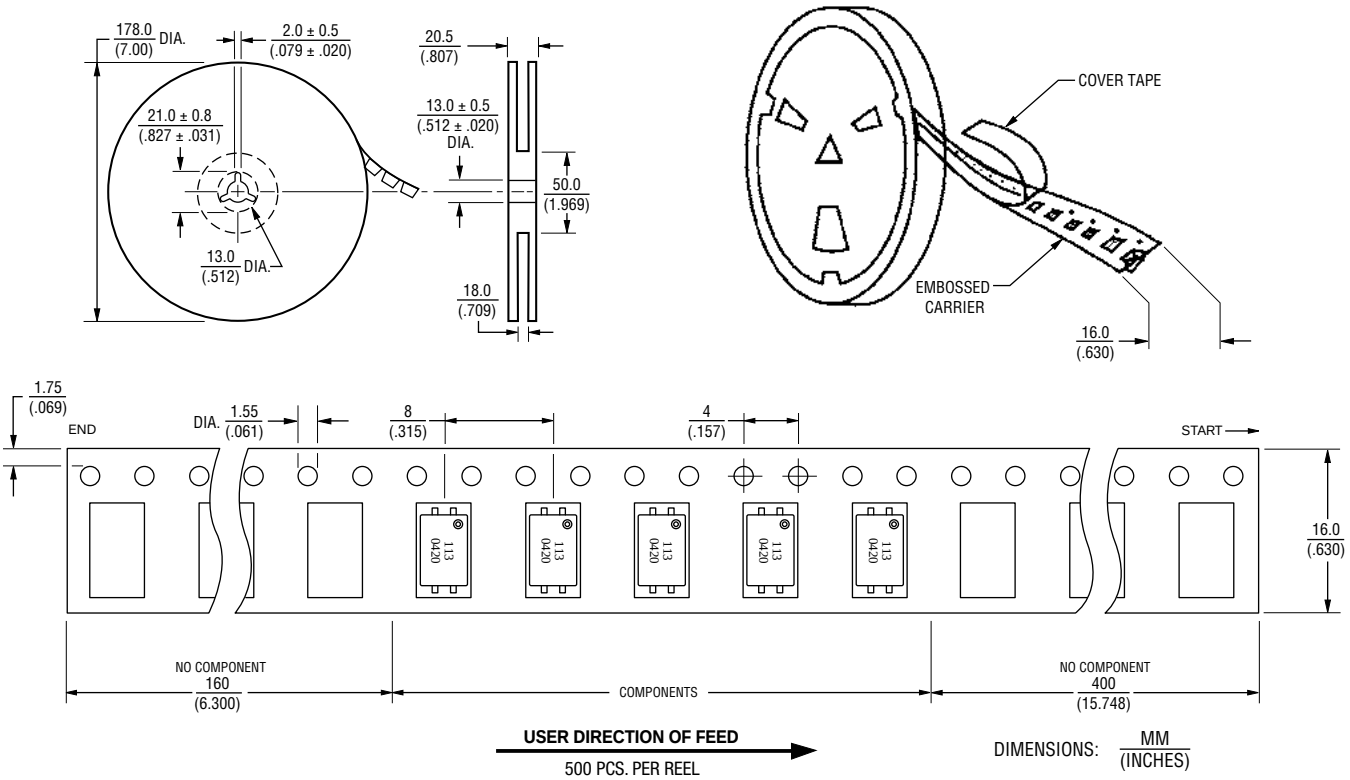
* RoHS Directive 2015/863, Mar 31, 2015 and Annex.
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Impedance vs. Frequency



Packaging Specifications



REV. 11/19

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Users should verify actual device performance in their specific applications.
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