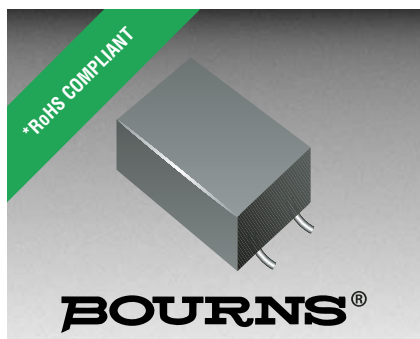




Features

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

Applications

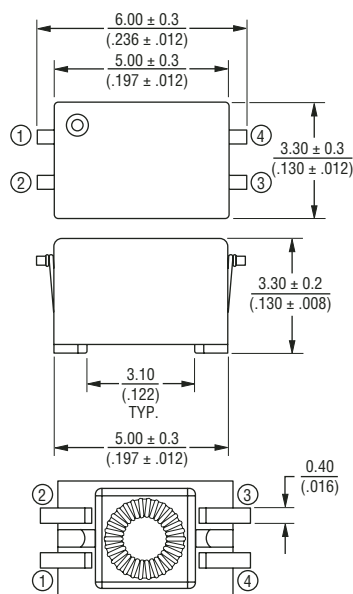
- For the suppression of EMI in data and signal lines, e.g. CAN Bus

DR221 Series Surface Mount Data Line Chokes

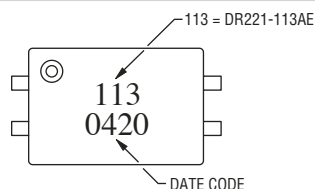
Electrical Characteristics (@ 25 °C)

Bourns Part Number	L1, L2 @ 10kHz, 0.1 Vrms (μH)	Freq. Range (MHz)	Impedance Min. (Ω)	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

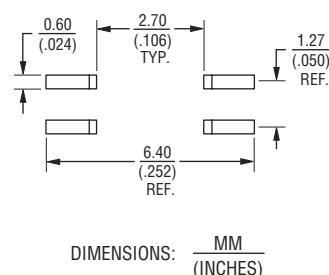
Product Dimensions



Typical Part Marking

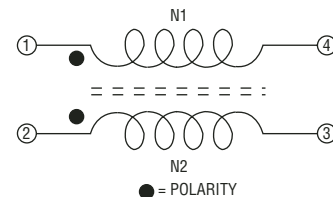


Recommended PCB Layout



Rated Voltage50 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.
 CoreFerrite
 WireEnamelled copper wire (Class F)
 BaseLCP (UL 94V-0)
 TerminalCu/Ni/Sn
 Adhesive.....Epoxy resin
 Weight2 g
 Packaging500 pcs. per reel

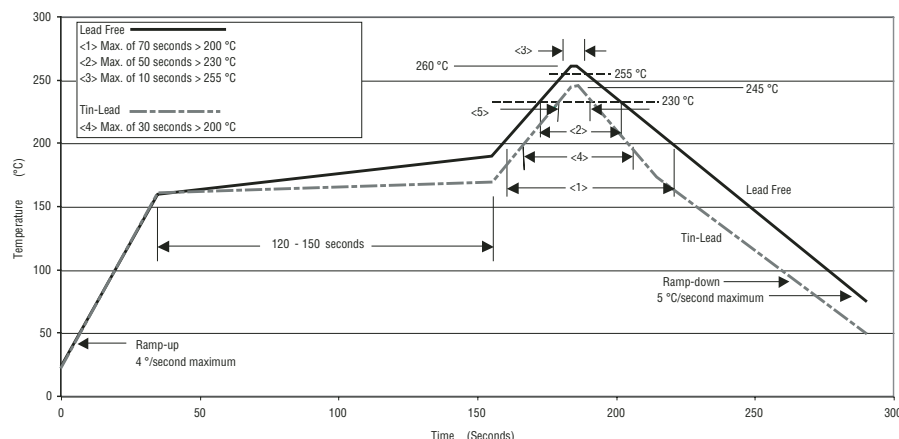
Schematic



How to Order

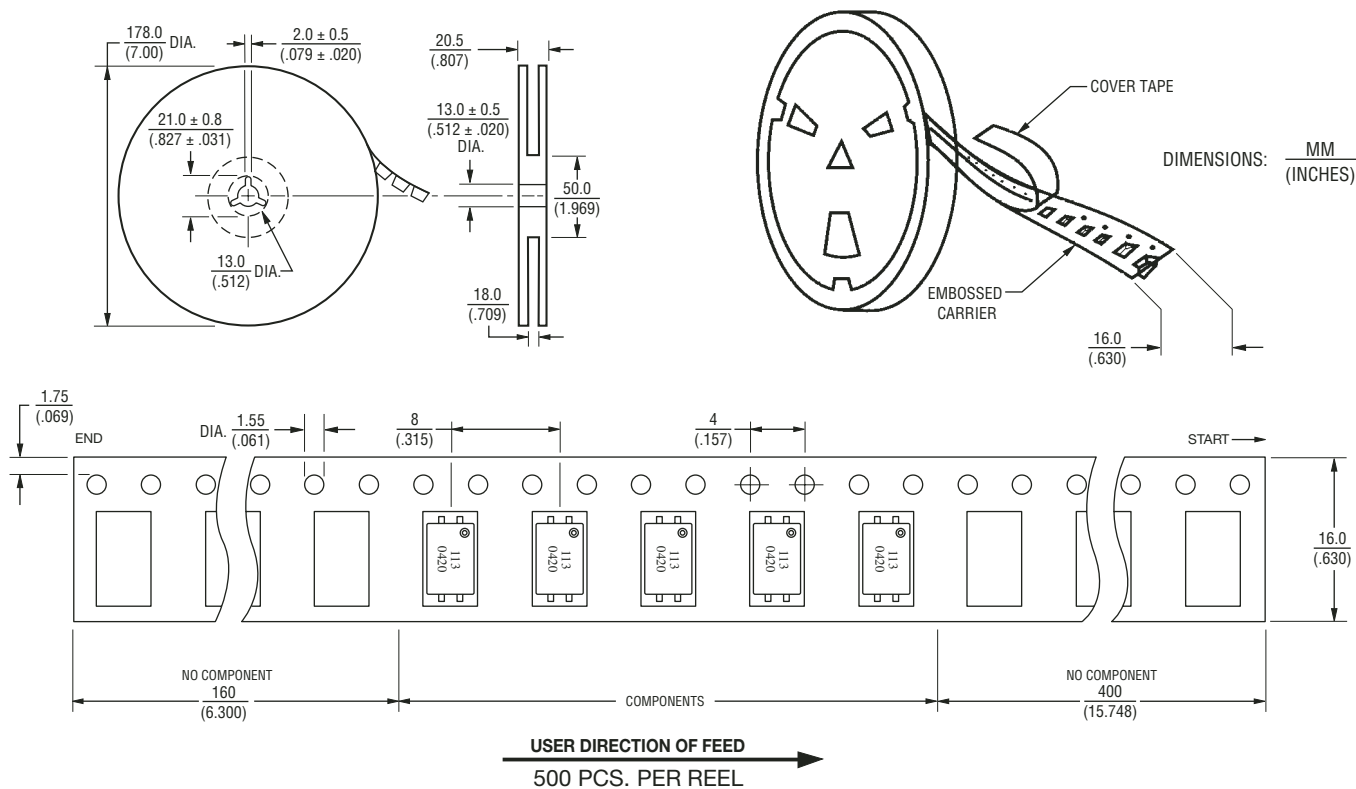
Model **DR221 - 513 AE**
 Value/Tolerance
 See Model-Value Table
 Termination
 AE = Cu/Ni/Sn (Lead Free)

Solder Profile



DR221 Series Surface Mount Data Line Chokes

Packaging Specifications



Impedance vs. Frequency

