



## Features

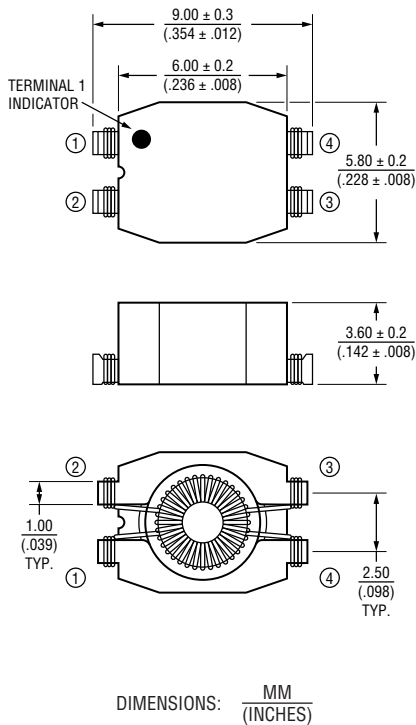
- Bifilar or sector windings
- Toroid core, self-shielding, low radiation
- Wide EMI suppression frequency range
- AEC-Q200 compliant
- RoHS compliant\* and Halogen free\*\*

## DR334A Series – Line Filter

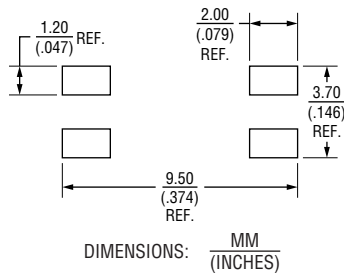
### Electrical Specifications @ 25 °C

Bourns Part No.	L (μH), N1 & N2 @ 100 kHz, 0.1 Vrms		Leakage 1-4 (μH) @ 100 kHz, 0.1 Vrms (Typ.) (2-3 Short)	DCR (Ω) Max.	I <sub>rms</sub> (A) Typ.	Z(Ω) Min. @ MHz	Winding
	L (μH)	Tol.					
DR334A-113BE	11	±50 %	0.05 μH	0.12	0.5 A	300 @ 20-300	Bifilar
DR334A-253AE	25	±50 %	1.50 μH	0.20	0.5 A	700 @ 20-150	Sector
DR334A-513AE	51	±50 %	2.00 μH	0.30	0.5 A	1500 @ 20-100	Sector
DR334A-104AE	100	±50 %	0.85 μH	0.10	0.5 A	700 @ 3-20	Sector
DR334A-474BE	470	±50 %	0.28 μH	0.28	0.5 A	2000 @ 2-15	Bifilar
DR334A-105BE	1000	±50 %	0.29 μH	0.40	0.5 A	2800 @ 1-10	Bifilar
DR334A-475BE	4700	±50 %	0.30 μH	0.70	0.2 A	6000 @ 0.5-3	Bifilar

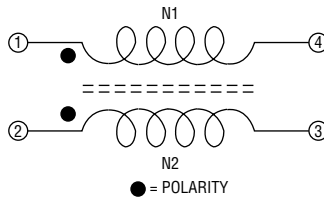
### Product Dimensions



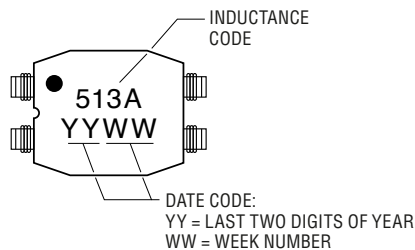
### Recommended Layout



### Schematic



### Typical Part Marking



### General Specifications

Rated Voltage ..... 80 Vdc / 42 Vac  
 Hi-Pot (1 sec.) ..... 250 Vac/60 Hz, 3 mA  
 Operating Temperature ..... -40 °C to +135 °C  
 (Temperature rise included)  
 Storage Temperature ..... -40 °C to +135 °C  
 Temperature Rise ..... 30 °C max. at rated I<sub>rms</sub>  
 Moisture Sensivity Level ..... 1  
 ESD Classification (HBM) ..... N/A

### Materials

Core ..... Ferrite, toroid  
 Wire ..... Enameled copper  
 Terminal ..... Sn  
 Packaging ..... 1500 pcs. per 13-inch reel

\* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

\*\* Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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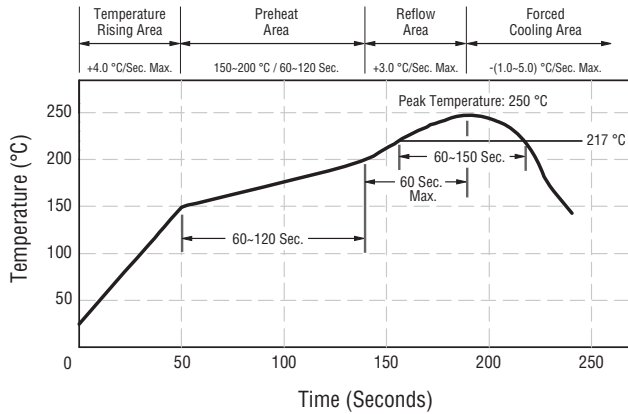


**WARNING**  
**Cancer and Reproductive Harm**  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

# DR334A Series – Line Filter



## Solder Profile

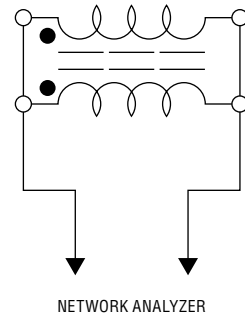


Peak Temperature:  
250 °C max.

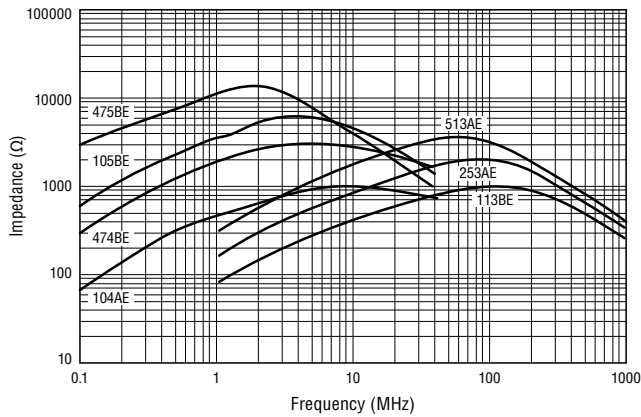
Max. Peak Temperature -5 °C:  
30 sec. max.

Max. Time Above 217 °C:  
90-150 sec. max.

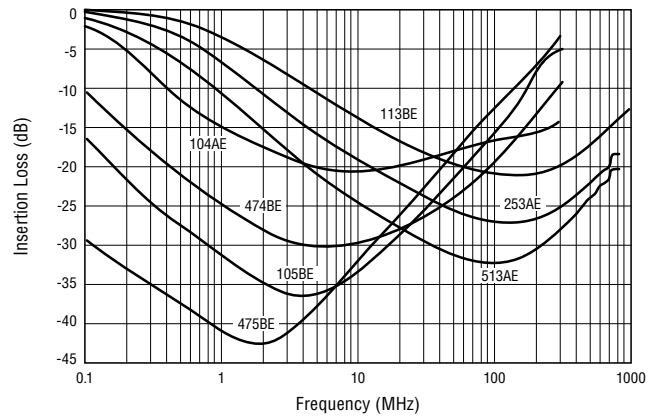
## Measurement Schematic



## Impedance vs. Frequency



## Insertion Loss vs. Frequency



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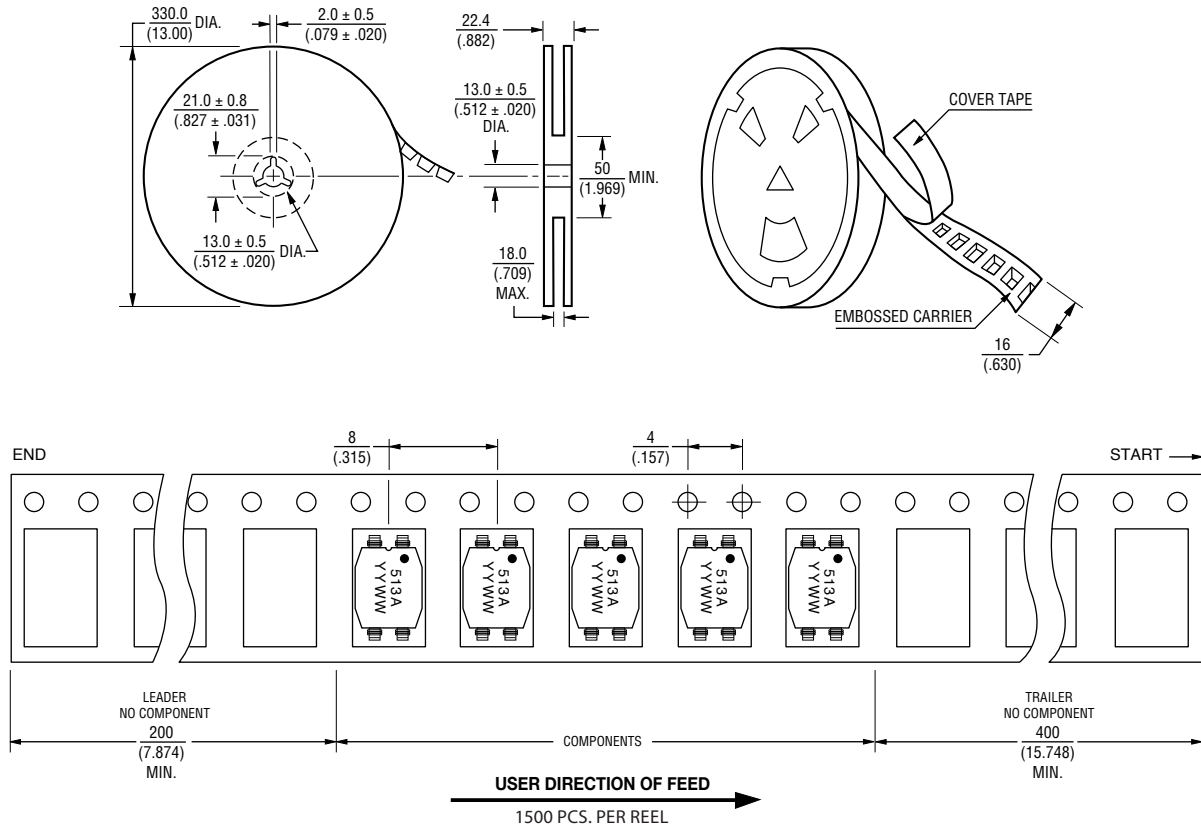
Users should verify actual device performance in their specific applications.

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# DR334A Series – Line Filter

**BOURNS®**

## Packaging Specifications



DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$

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