

### Features

- $\blacksquare$  Formerly J. W.  $\mathbf{Miller}^{\circ}$  model
- Current rating up to 20 A
- Inductance range: 3.35 µH to 1000 µH
- RoHS compliant\*

## **Applications**

- EMI filters
- Output chokes
- Smooting coils

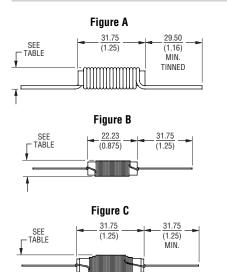
# 5200 Series - Hash Choke

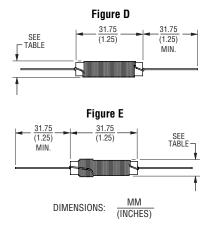
### **Electrical Specifications**

Part Number	Inductance (µH)	Tol.	Test Freq.	DCR (Ω) Max.	l dc (A)	Lead Wire Size (AWG)	Figure	Diameter Max.
5218-RC	3.35	±20 %	7.96 MHz	0.010	20	12	А	<u>15.24</u> (0.60)
5219-RC	4.9	±20 %	7.96 MHz	0.016	15	14	А	<u>15.24</u> (0.60)
5220-RC	8.8	±20 %	7.96 MHz	0.021	10	16	А	<u>14.22</u> (0.56)
5230-RC	4.0	±20 %	7.96 MHz	0.012	8.0	20	В	<u>9.65</u> (0.38)
5240-RC	40	±20 %	1.0 KHz	0.082	3.0	20	D	7.87 (0.31)
5248-RC	68	±20 %	1.0 KHz	0.054	5.0	20	С	<u>14.22</u> (0.56)
5250-RC	100	±20 %	1.0 KHz	0.216	2.0	20	Е	<u>9.65</u> (0.38)
5252-RC	125	±20 %	1.0 KHz	0.08	3.5	20	С	<u>12.70</u> (0.50)
5254-RC	250	±20 %	1.0 KHz	0.17	2.5	20	С	<u>11.18</u> (0.44)
5256-RC	500	±20 %	1.0 KHz	0.26	2.0	20	С	<u>14.22</u> (0.56)
5258-RC	1000	±20 %	1.0 KHz	0.55	1.0	20	С	<u>12.70</u> (0.50)

DIMENSIONS: MM (INCHES)

#### **Product Dimensions**





#### **Additional Information**

Click these links for more information:



#### **General Specifications**

Rated Current Inductance drop 10 % or 35 °C temperature rise at I dc					
Operating Temperature					
55 °C to +105 °C					
Storage Temperature					
55 °C to +105 °C					
Moisture Sensitivity Level1					
ESD Classification (HBM)N/A					
Materials					
Core Material					
5218-RC through 5220-RCIron					

0210110 the through 0	
5230-RC through 5	5258-RCFerrite
Wire	Enameled copper
Terminal Coating	Sn

#### Marking

..... Marking on label on box only

#### Packaging

5218-RC	40 pcs. per box
5219-RC	42 pcs. per box
5220-RC	46 pcs. per box
5230-RC ~ 5258-RC 1	44 pcs. per box

#### **Electrical Schematic**

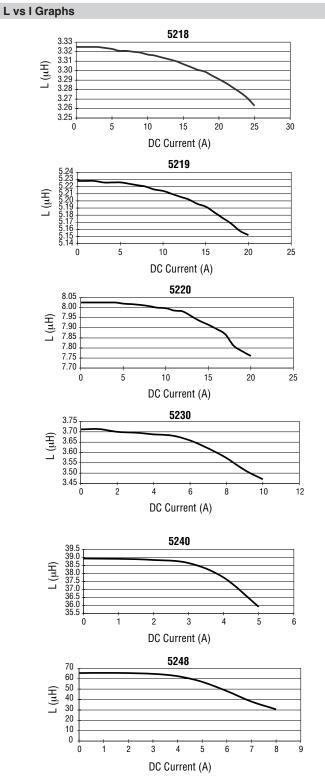


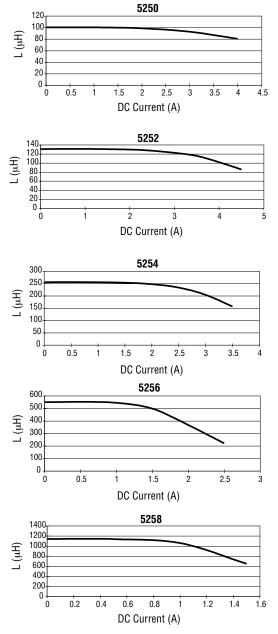


\*RoHS Directive 2015/863, Mar 31, 2015 and Annex. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at <a href="http://www.bourns.com/docs/legal/disclaimer.pdf">www.bourns.com/docs/legal/disclaimer.pdf</a>.

# 5200 Series - Hash Choke

# BOURNS





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