

Features

- Formerly J.W. Miller® model
- Current rating up to 20 A
- Inductance range: 3.35 µH to 1000 µH
- RoHS compliant*

Applications

- EMI filters
- Output chokes
- Smoothing coils

5200 Series - Hash Choke

Electrical Specifications

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

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

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 Level..... 1
ESD Classification (HBM)..... N/A

Materials

Core Material
5218-RC through 5220-RC Iron
5230-RC through 5258-RC Ferrite
Wire Enameled copper
Terminal Coating..... Sn

Marking

..... Marking on label on bag only

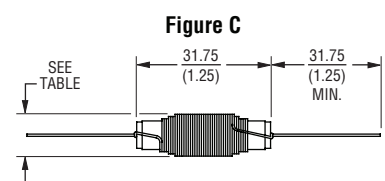
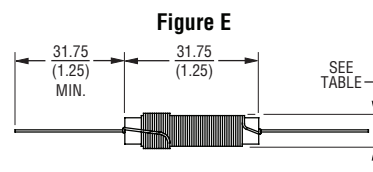
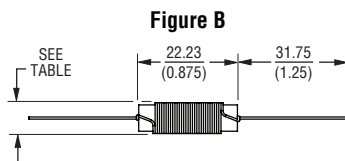
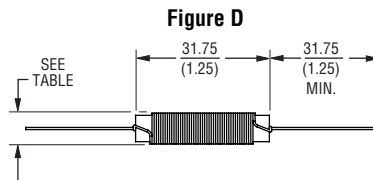
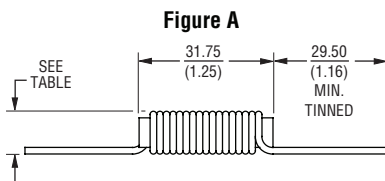
Packaging

5218-RC through 5220-RC
..... 64 pcs. per bag
5230-RC through 5258-RC
..... 50 pcs. per bag

Electrical Schematic



Product Dimensions



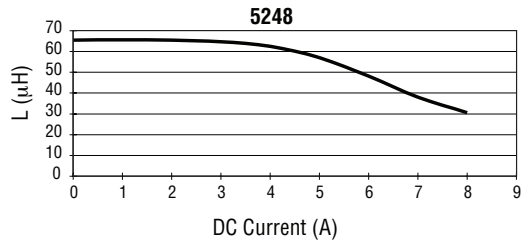
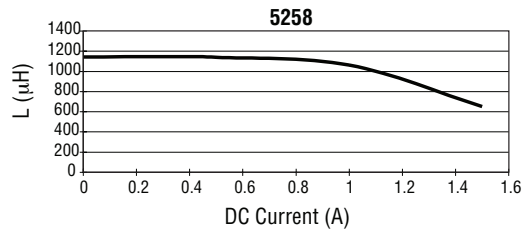
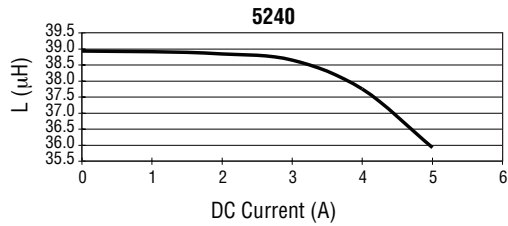
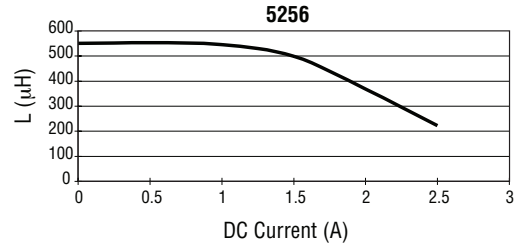
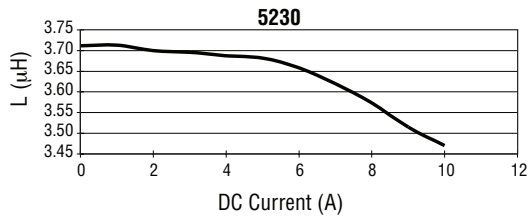
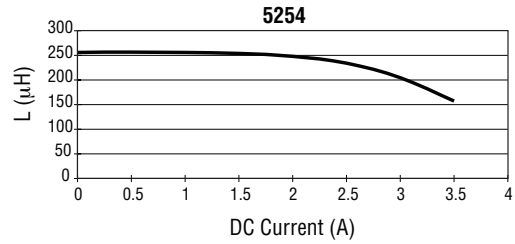
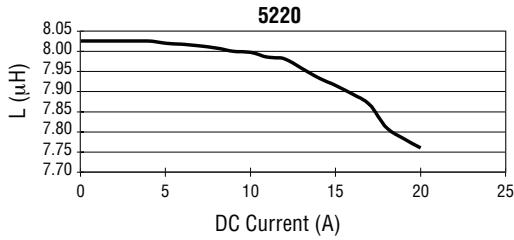
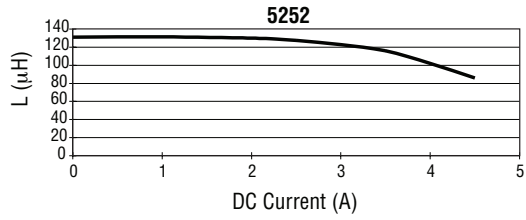
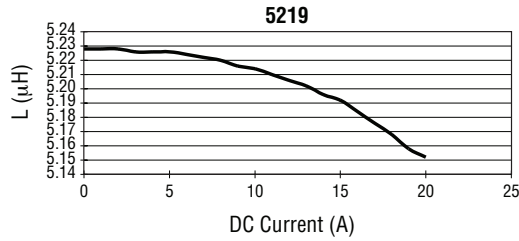
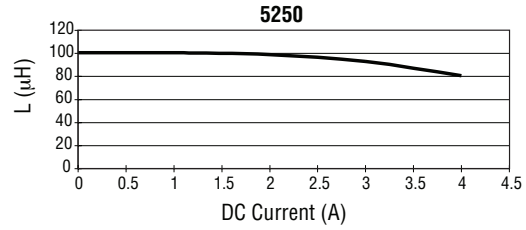
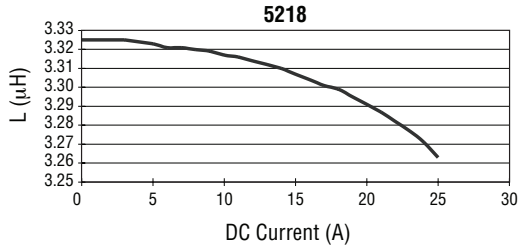
*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.



5200 Series - Hash Choke

BOURNS®

L vs I Graphs



REV. 01/18

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