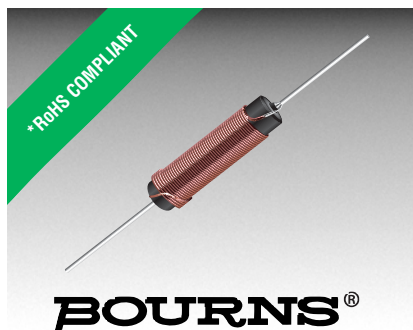




Features

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

Applications

- EMI filters
- Output chokes
- Smoothing coils

5200 Series - Hash Choke

Electrical Specifications

Part Number	Inductance (μ H)	Tol.	Test Freq.	SRF (MHz) Typ.	DCR (Ω) Max.	I dc (A)	Lead Wire Size (AWG)	Figure	Diameter Max.
5218-RC	3.35	$\pm 20\%$	7.96 MHz	107	0.010	20	12	A	$\frac{15.24}{(0.60)}$
5219-RC	4.9	$\pm 20\%$	7.96 MHz	95	0.016	15	14	A	$\frac{15.24}{(0.60)}$
5220-RC	8.8	$\pm 20\%$	7.96 MHz	64	0.021	10	16	A	$\frac{14.22}{(0.56)}$
5230-RC	4.0	$\pm 20\%$	7.96 MHz	165	0.012	8.0	20	B	$\frac{9.65}{(0.38)}$
5240-RC	40	$\pm 20\%$	1.0 KHz	145	0.082	3.0	20	D	$\frac{7.87}{(0.31)}$
5248-RC	68	$\pm 20\%$	1.0 KHz	4.5	0.054	5.0	20	C	$\frac{14.22}{(0.56)}$
5250-RC	100	$\pm 20\%$	1.0 KHz	28.5	0.216	2.0	20	E	$\frac{9.65}{(0.38)}$
5252-RC	125	$\pm 20\%$	1.0 KHz	2.25	0.08	3.5	20	C	$\frac{12.70}{(0.50)}$
5254-RC	250	$\pm 20\%$	1.0 KHz	1.30	0.17	2.5	20	C	$\frac{11.18}{(0.44)}$
5256-RC	500	$\pm 20\%$	1.0 KHz	0.99	0.26	2.0	20	C	$\frac{14.22}{(0.56)}$
5258-RC	1000	$\pm 20\%$	1.0 KHz	0.65	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

Materials

Core Material

5218-RC through 5220-RCIron

5230-RC through 5258-RCFerrite

WireEnameled 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

Figure A

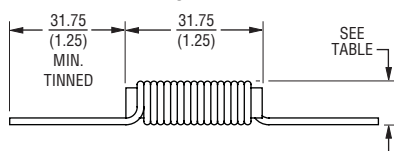


Figure D

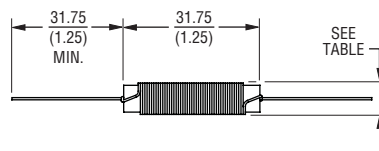


Figure B

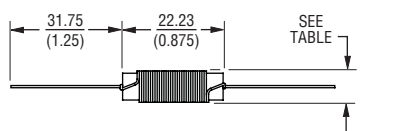


Figure E

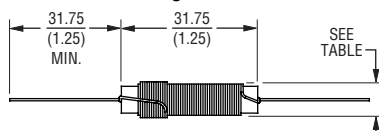
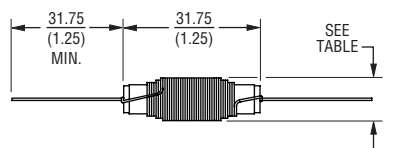


Figure C



*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

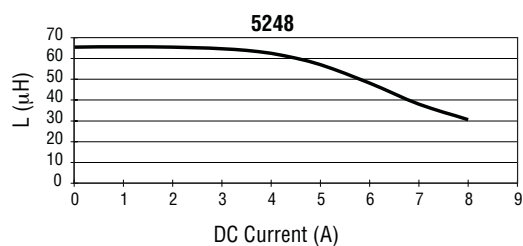
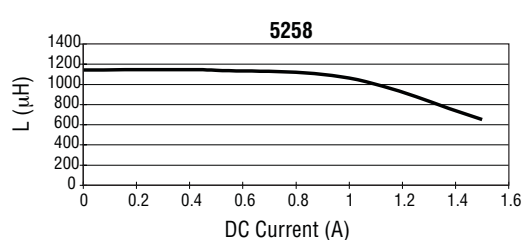
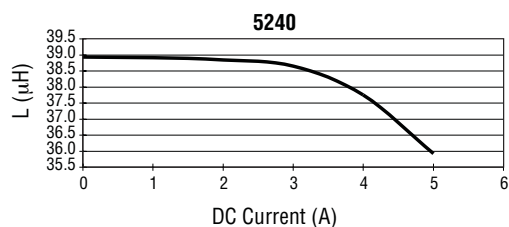
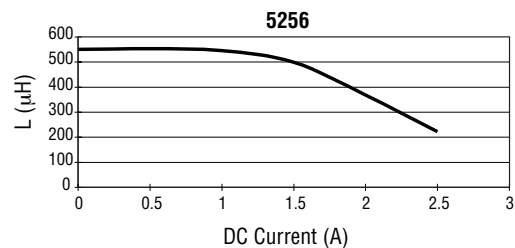
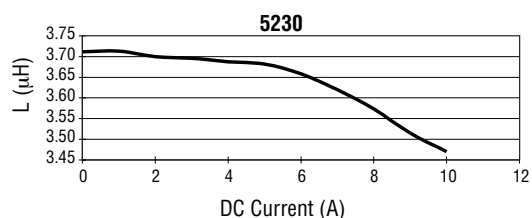
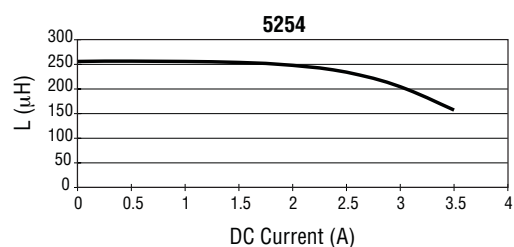
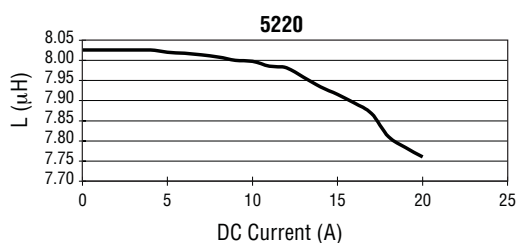
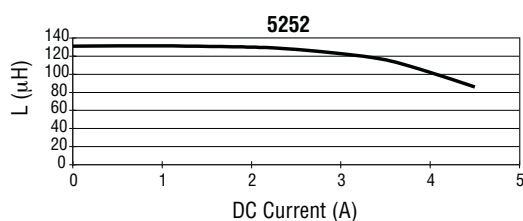
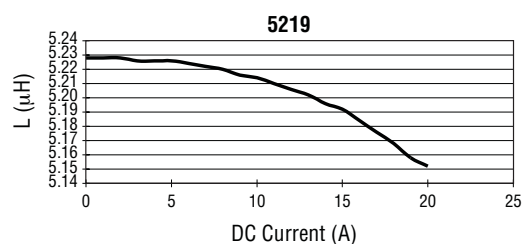
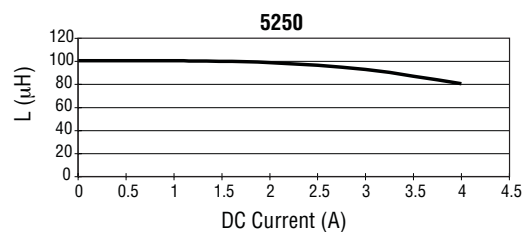
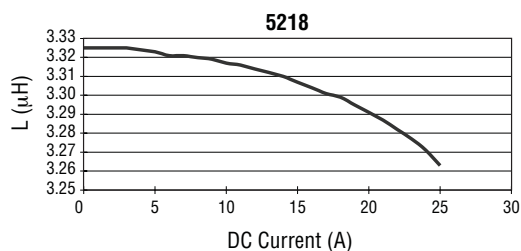
Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications

5200 Series - Hash Choke

BOURNS®

L vs I Graphs



REV. 02/09

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