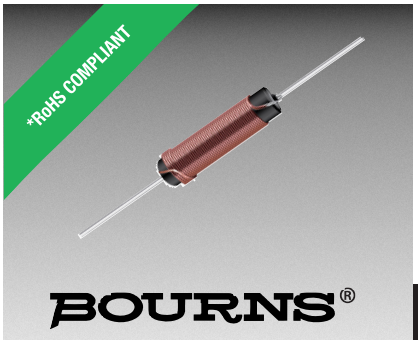


BOURNS®

5200 Series - Hash Choke

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
- Smooting coils

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	15.24 (0.60)
5219-RC	4.9	±20 %	7.96 MHz	0.016	15	14	A	15.24 (0.60)
5220-RC	8.8	±20 %	7.96 MHz	0.021	10	16	A	14.22 (0.56)
5230-RC	4.0	±20 %	7.96 MHz	0.012	8.0	20	B	9.65 (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	C	14.22 (0.56)
5250-RC	100	±20 %	1.0 KHz	0.216	2.0	20	E	9.65 (0.38)
5252-RC	125	±20 %	1.0 KHz	0.08	3.5	20	C	12.70 (0.50)
5254-RC	250	±20 %	1.0 KHz	0.17	2.5	20	C	11.18 (0.44)
5256-RC	500	±20 %	1.0 KHz	0.26	2.0	20	C	14.22 (0.56)
5258-RC	1000	±20 %	1.0 KHz	0.55	1.0	20	C	12.70 (0.50)

DIMENSIONS: MM (INCHES)

Product Dimensions

Figure A

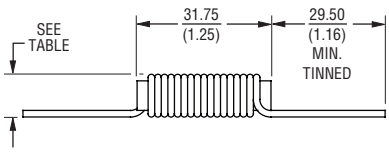


Figure B

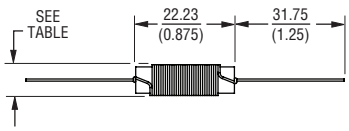


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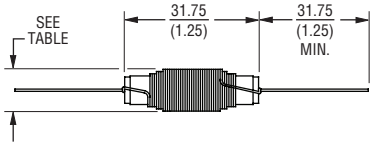


Figure D

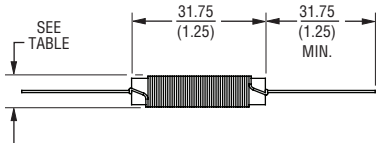
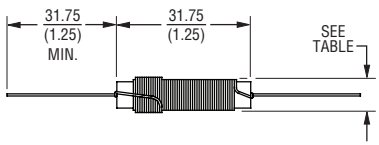


Figure E



DIMENSIONS: MM (INCHES)

Additional Information

Click these links for more information:

PRODUCT | TECHNICAL LIBRARY | INVENTORY | SAMPLES | CONTACT

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

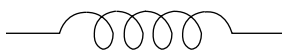
Marking

..... Marking on label on 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 .... 144 pcs. per box

Electrical Schematic

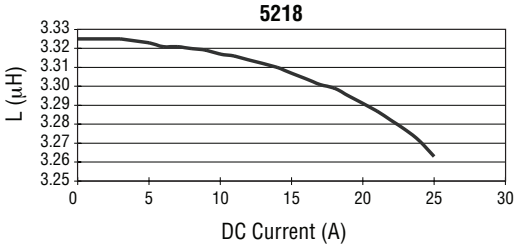


WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

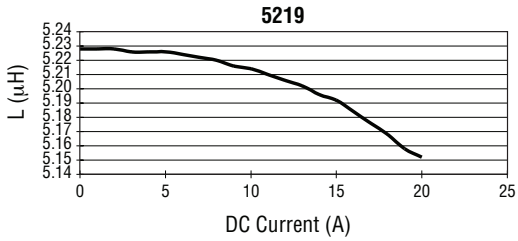
*RoHS Directive 2015/863, Mar 31, 2015 and Annex.
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Users should verify actual device performance in their specific applications.
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L vs I Graphs

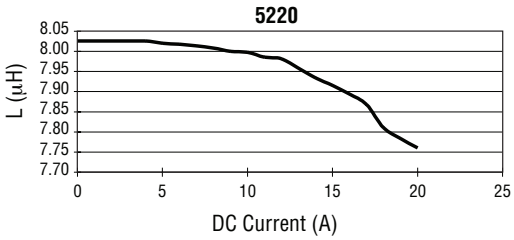
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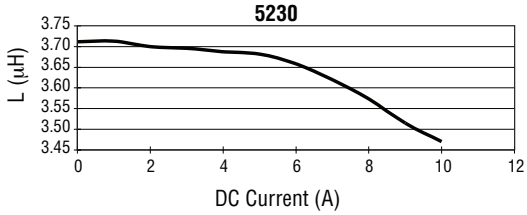
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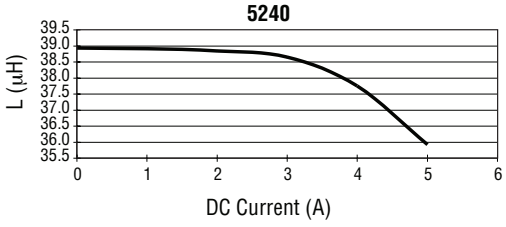
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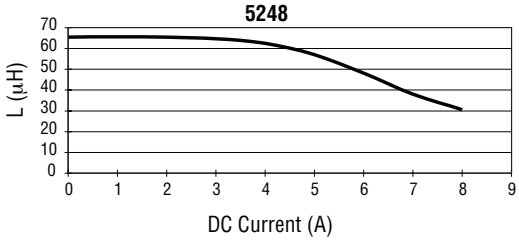
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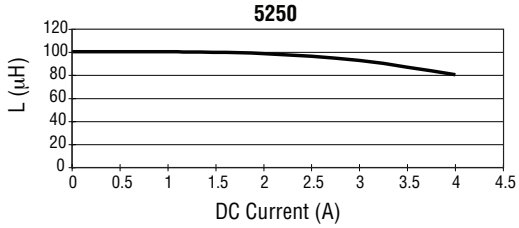
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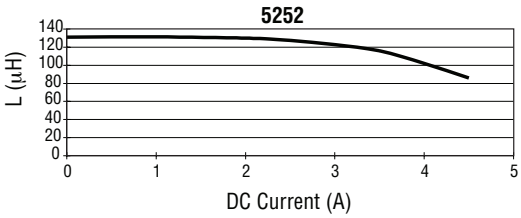
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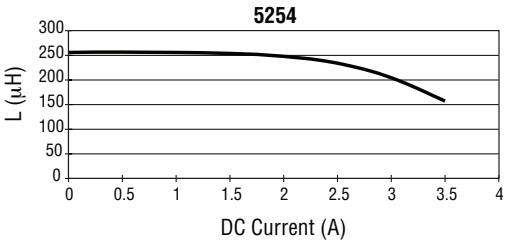
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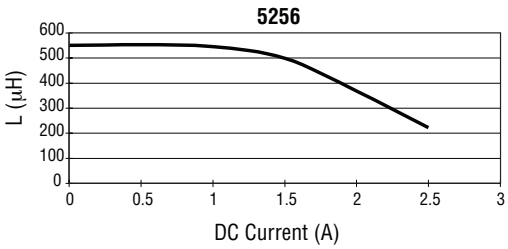
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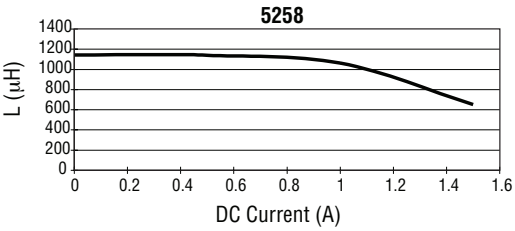
5254



5256



5258



REV. 09/22

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