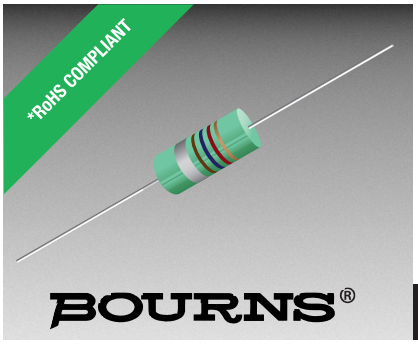


Features

- Formerly J.W. Miller® model
- High Q value
- Inductance range: 270 µH to 1000 µH
- RoHS compliant*

Applications

- Filters
- Output chokes

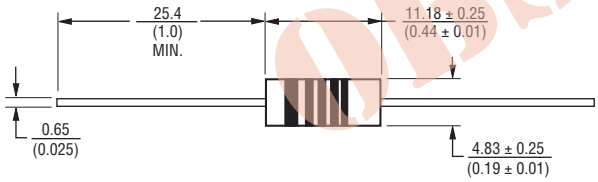
This series is obsolete and not recommended for new designs.

9220 Series Molded Axial Inductor

Electrical Specifications

Bourns Part No.	Inductance (µH)	Inductance Tol. (%)	Q Min.	Test Frequency (MHz)	SRF (MHz) Min.	DCR (Ω) Max.	Idc (mA)
9220-00-RC	270	±5	65	0.79	5.6	8.2	110
9220-02-RC	300	±5	65	0.79	5.3	8.7	107
9220-04-RC	330	±5	65	0.79	5.0	9.1	105
9220-06-RC	360	±5	65	0.79	4.7	9.6	102
9220-08-RC	390	±5	65	0.79	4.5	10.0	100
9220-10-RC	430	±5	65	0.79	4.3	10.6	97
9220-12-RC	470	±5	65	0.79	4.0	11.1	95
9220-14-RC	500	±5	65	0.79	3.8	11.6	93
9220-15-RC	510	±5	65	0.79	3.8	11.6	92
9220-16-RC	560	±5	65	0.79	3.6	12.3	91
9220-18-RC	620	±5	60	0.79	3.5	13.0	88
9220-20-RC	680	±5	60	0.79	3.4	13.7	85
9220-22-RC	750	±5	60	0.79	3.3	14.4	83
9220-24-RC	820	±5	60	0.79	3.1	15.1	81
9220-26-RC	910	±5	60	0.79	2.9	15.8	79
9220-28-RC	1000	±5	60	0.79	2.8	16.5	78

Product Dimensions



DIMENSIONS: MM / (INCHES)

General Specifications

Temperature Rise ..... 35 °C at Idc
Operating Temperature
.....-55 °C to +105 °C
Storage Temperature ...-55 °C to +105 °C
Dielectric Strength ..... 1000 Vrms

Materials

Core.....Ferrite
Wire ..... Enameled copper
Terminal Coating.....Sn
Packaging
Standard.....1000 pcs. per bag
Optional.....2500 pcs. per 14-inch reel

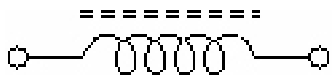
How to Order

9220 - 02 - __ - RC

Model
Value Code
Two-digit code from table
(Example: -02 = 300 µH)
Packaging Code
Blank = 1000 pcs./bag
TR = 2500 pcs./14-inch reel
Compliance Code
RC = RoHS compliant*

Examples:
- *9220-00-RC = 270 µH packaged 1000 pcs./bag.*
- *9220-16-TR-RC = 560 µH packaged 2500 pcs./14-inch reel.*

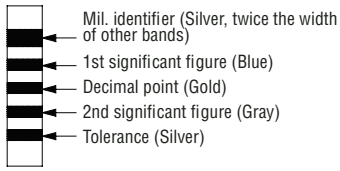
Electrical Schematic



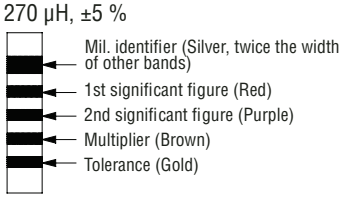
Typical Part Marking - MIL-STD Color Code

Color	1st & 2nd Significant Figure or Decimal Point	Multiplier	Tolerance
Black	0	1	
Brown	1	10	
Red	2	100	
Orange	3	1000	
Yellow	4		
Green	5		
Blue	6		
Violet	7		
Gray	8		
White	9		
Silver			± 10 %
Gold	Decimal Point		± 5 %

Example for L value less than 10 µH
6.8 µH, ±10 %



Example for L value 10 µH and higher
270 µH, ±5 %



REV. 10/25

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

*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.
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