

Features

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

Applications

- Filters
- Output chokes

9220 Series Molded Axial Inductor

Electrical Specifications

Bourns Part No.	Inductance		Q Min.	Test Frequency (MHz)	SRF (MHz) Min.	DCR Ω Max.	Idc (mA)
	(μ H)	Tol. (%)					
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

General Specifications

Temperature Rise35 °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.....Enamelled copper
 Terminal CoatingSn
 Packaging
 Standard.....1000 pcs. per bag
 Optional2500 pcs. per 14-inch reel

How To Order

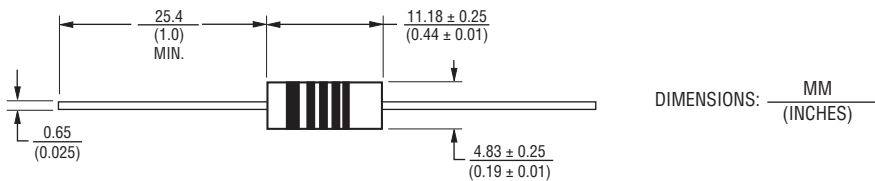
9220 - 02 - - RC

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

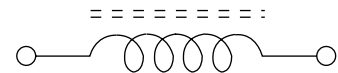
Examples:

- 9220-00-RC = 270 μ H packaged 1000 pcs./bag.
- 9220-16-TR-RC = 560 μ H packaged 2500 pcs./14-inch reel.

Product Dimensions



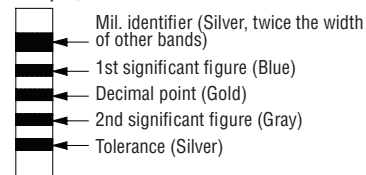
Electrical Schematic



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			$\pm 10\%$
Gold	Decimal Point		$\pm 5\%$

Example for L value less than 10 μ H
 6.8 μ H, $\pm 10\%$



Example for L value 10 μ H and higher
 270 μ H, $\pm 5\%$

