

Features

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

Applications

- Filters
- Output chokes



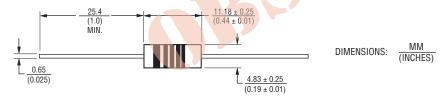
not recommended for new designs.

9220 Series Molded Axial Inductor

Electrical Specifications

	Indu	ctance	Q	Test	SRF	DCR	ldc
Bourns Part No.	(μH)	Tol. (%)	Min.	Frequency (MHz)	(MHz) Min.	(Ω) Max.	(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



General Specifications

Materials

Standard......1000 pcs. per bag Optional.....2500 pcs. per 14-inch reel

How to Order

9220 - 02 - ___ - Rown Model

Value Code
Two-digit code from table
(Example: -02 = 300 μH)

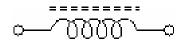
Packaging Code
Blank = 1000 pcs./bag
TR = 2500 pcs./14-inch reel

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

	1st & 2nd		
	Significant Figure		
Color	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 μ H 6.8 μ H, ±10 %

Mil. identifier (Silver, twice the width of other bands)

1st significant figure (Blue)

Decimal point (Gold)

2nd significant figure (Gray)

Tolerance (Silver)

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

Mil. identifier (Silver, twice the width of other bands)

— 1st significant figure (Red)
— 2nd significant figure (Purple)
— Multiplier (Brown)
— Tolerance (Gold)

REV. 10/25



*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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