



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



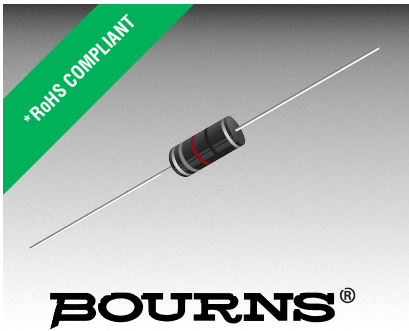
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Features

- Formerly J. W. Miller® model
- High Q value
- Inductance range: 0.1 μ H to 1000 μ H
- RoHS compliant*

Applications

- Filters
- Output chokes

9230 Series Molded Axial Inductor

Electrical Specifications

Bourns Part No.	Inductance		Q Min.	Test Frequency (MHz)	SRF (MHz) Min.	DCR (Ω) Max.	Idc (mA)	Core Material
	(μ H)	Tol. (%)						
9230-94-RC	0.10	± 10	40	25	690	0.07	1100	Phenolic
9230-96-RC	0.12	± 10	40	25	650	0.08	1100	Phenolic
9230-00-RC	0.15	± 10	38	25	600	0.10	1100	Phenolic
9230-02-RC	0.18	± 10	35	25	550	0.12	1010	Phenolic
9230-04-RC	0.22	± 10	33	25	510	0.14	935	Phenolic
9230-06-RC	0.27	± 10	33	25	430	0.16	875	Phenolic
9230-08-RC	0.33	± 10	30	25	410	0.20	780	Phenolic
9230-10-RC	0.39	± 10	30	25	380	0.30	640	Phenolic
9230-12-RC	0.47	± 10	30	25	340	0.35	590	Phenolic
9230-14-RC	0.56	± 10	30	25	300	0.50	495	Phenolic
9230-16-RC	0.68	± 10	28	25	275	0.60	450	Phenolic
9230-18-RC	0.82	± 10	28	25	250	0.85	380	Phenolic
9230-20-RC	1.0	± 10	25	25	230	1.00	350	Phenolic
9230-22-RC	1.2	± 10	25	7.9	150	0.18	825	Ferrite
9230-24-RC	1.5	± 10	28	7.9	140	0.22	745	Ferrite
9230-26-RC	1.8	± 10	30	7.9	125	0.30	640	Ferrite
9230-28-RC	2.2	± 10	30	7.9	115	0.40	550	Ferrite
9230-30-RC	2.7	± 10	37	7.9	100	0.50	495	Ferrite
9230-32-RC	3.3	± 10	45	7.9	90	0.85	380	Ferrite
9230-34-RC	3.9	± 10	45	7.9	82	1.0	350	Ferrite
9230-36-RC	4.7	± 10	45	7.9	75	1.2	320	Ferrite
9230-38-RC	5.6	± 10	50	7.9	68	1.8	260	Ferrite
9230-40-RC	6.8	± 10	50	7.9	60	2.0	245	Ferrite
9230-42-RC	8.2	± 10	55	7.9	55	2.7	210	Ferrite
9230-44-RC	10	± 10	55	7.9	50	3.7	180	Ferrite
9230-46-RC	12	± 10	45	2.5	40	2.7	210	Ferrite
9230-48-RC	15	± 10	45	2.5	35	2.8	205	Ferrite
9230-50-RC	18	± 10	50	2.5	32	3.1	195	Ferrite
9230-52-RC	22	± 10	50	2.5	25	3.3	190	Ferrite
9230-54-RC	27	± 10	50	2.5	22	3.5	185	Ferrite
9230-56-RC	33	± 10	45	2.5	24	3.4	187	Ferrite
9230-58-RC	39	± 10	45	2.5	22	3.6	180	Ferrite
9230-60-RC	47	± 10	45	2.5	20	4.5	165	Ferrite
9230-62-RC	56	± 10	45	2.5	18	5.7	145	Ferrite
9230-64-RC	68	± 10	50	2.5	15	6.7	135	Ferrite
9230-66-RC	82	± 10	50	2.5	14	7.3	130	Ferrite
9230-68-RC	100	± 10	50	2.5	13	8.0	125	Ferrite
9230-70-RC	120	± 10	30	0.79	12	13	97	Ferrite
9230-72-RC	150	± 10	30	0.79	11	15	85	Ferrite
9230-74-RC	180	± 10	30	0.79	10	17	79	Ferrite
9230-76-RC	220	± 10	30	0.79	9	21	73	Ferrite
9230-78-RC	270	± 10	30	0.79	8	25	65	Ferrite
9230-80-RC	330	± 10	30	0.79	7	28	62	Ferrite
9230-82-RC	390	± 10	30	0.79	6.5	35	55	Ferrite
9230-84-RC	470	± 10	30	0.79	6	42	50	Ferrite
9230-86-RC	560	± 10	30	0.79	5	46	48	Ferrite
9230-88-RC	680	± 10	30	0.79	4.2	60	42	Ferrite
9230-90-RC	820	± 10	30	0.79	3.8	65	40	Ferrite
9230-92-RC	1000	± 10	30	0.79	3.4	72	38	Ferrite

General Specifications

Temperature Rise 35 °C at I_{dc}
 Operating Temperature
 Ferrite -55 °C to +125 °C
 Phenolic -55 °C to +105 °C
 Storage Temperature
 Ferrite -55 °C to +125 °C
 Phenolic -55 °C to +105 °C
 Dielectric Strength 1000 Vrms

Materials

Core Phenolic or Ferrite
 Wire Enameled copper
 Terminal Coating Sn
 Packaging
 Standard 1000 pcs. per bag
 Optional 5000 pcs. per 14-inch reel

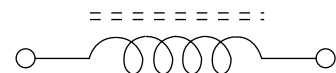
How to Order

9230 - 02 - - - RC

Model _____
 Value Code _____
 Two-digit code from table
 (Example: -02 = 0.18 μ H)
 Packaging Code _____
 Blank = 1000 pcs./bag
 TR = 5000 pcs./14-inch reel
 Compliance Code _____
 RC = RoHS compliant*

Examples:
 • 9230-00-RC = 0.15 μ H packaged
 1000 pcs./bag.
 • 9230-16-TR-RC = 0.68 μ H packaged
 5000 pcs./14-inch reel.

Electrical Schematic

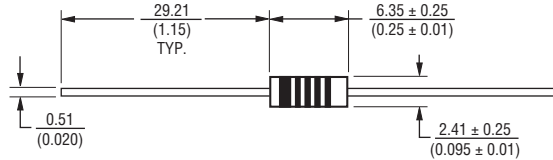


*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
 Specifications are subject to change without notice.
 Customers should verify actual device performance in their specific applications

9230 Series Molded Axial Inductor

BOURNS®

Product Dimensions

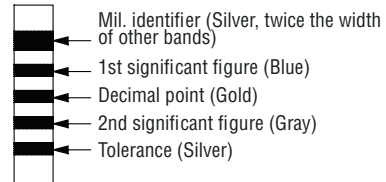


DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

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 %

