

- Signal processing
- Telecommunications
- Dense board designs

8250 Series – Shielded RF Choke

BOURNS®

Electrical Specifications (@ 25 °C) - Continued

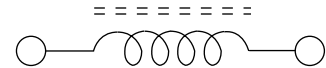
Part Number	Inductance (μH) ±10 %	Q Min.	Test Freq. (MHz)	SRF (MHz) Min.	DCR (Ω) max.	Idc (mA)	Isat (mA)
8250-821K-RC	820	70	0.79	4.8	10.4	151	45
8250-102K-RC	1000	65	0.79	4.5	12.1	139	40
8250-122K-RC	1200	70	0.25	2.6	15.1	125	35
8250-152K-RC	1500	70	0.25	2.5	16.8	119	33
8250-182K-RC	1800	70	0.25	2.3	19.1	111	30
8250-222K-RC	2200	70	0.25	2.2	22.0	103	27
8250-272K-RC	2700	70	0.25	2.1	25.1	97	25
8250-332K-RC	3300	70	0.25	2	33.3	85	22
8250-392K-RC	3900	70	0.25	1.8	36.8	80	20
8250-472K-RC	4700	70	0.25	1.7	51.2	68	19
8250-562K-RC	5600	70	0.25	1.6	54.6	66	17
8250-682K-RC	6800	70	0.25	1.5	62	62	16
8250-822K-RC	8200	70	0.25	1.4	86.6	52	15
8250-103K-RC	10,000	70	0.25	1.3	93.1	50	14
8250-123K-RC	12,000	50	0.079	0.88	84	53	13
8250-153K-RC	15,000	50	0.079	0.78	97	49	12
8250-183K-RC	18,000	50	0.079	0.72	104	48	10
8250-223K-RC	22,000	50	0.079	0.57	145	40	9
8250-273K-RC	27,000	50	0.079	0.46	195	34	8
8250-333K-RC	33,000	50	0.079	0.42	222	32	7.5
8250-393K-RC	39,000	50	0.079	0.42	242	31	6
8250-473K-RC	47,000	50	0.079	0.37	317	27	5.5
8250-563K-RC	56,000	50	0.079	0.36	362	25	5
8250-683K-RC	68,000	50	0.079	0.35	410	24	4
8250-823K-RC	82,000	50	0.079	0.34	440	23	3.5
8250-104K-RC	100,000	50	0.079	0.32	484	22	3

How To Order

Model **8250 - 101K -** **RC**
 Value Code (see table)
 Packaging Code
 Blank = 500 pcs. per bag
 TR = 2500 pcs. per reel
 Compliance Code
 RC = RoHS Compliant

Examples:
 8250-151K-RC = 150 μH, packaged 500 pcs. per bag
 8250-R39K-TR-RC = 0.39 μH, packaged 2500 pcs. per 14-inch reel

Electrical Schematic



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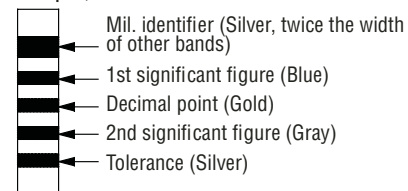
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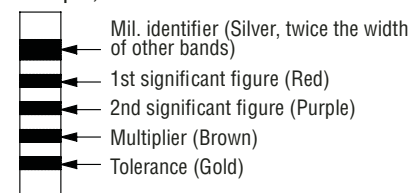
Typical Part Marking - MIL-STD Color Code

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. 03/25

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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[561K-RC](#) [8250-391K-RC](#) [8250-681K-RC](#) [8250-181K-RC](#) [8250-393K-RC](#) [8250-563K-RC](#) [8250-151K-RC](#) [8250-](#)
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