

Shielded, Molded Chokes



Model 9250 is currently available, although not recommended for new designs. [Model 9250A](#) is preferred.

Special Features

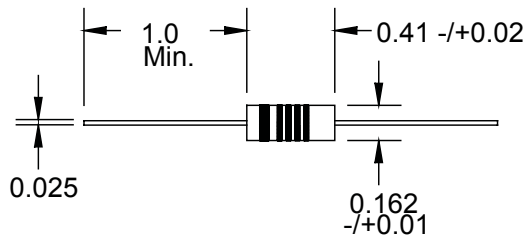
- Ferrite magnetic shielded for low radiation
- High Q, high reliability
- Injection molded to protect coil from extreme environments
- Flame retardant coating
- Consistent body dimension
- Color band or numerical marking identification
- Dielectric strength 1000 Vrms
- Operating temperature -55 to +105 °C

Notes

* Rated current to cause 35 °C max. temperature rise

** Incremental current to cause 5 % max. inductance drop

Bourns recommends using the 9250A Series as a replacement for the 9250 Series



Dimensions: Inches

9250 Series							
Part Number	L (μH) ±10 %	Q Min.	Test Freq. (MHz)	SRF (MHz) Min.	DCR Ω Max.	I, DC* (mA)	I, Incr.** (mA)
9250-101-RC	0.10	50	25	250	0.025	1790	1790
9250-121-RC	0.12	51	25	250	0.034	1530	1530
9250-151-RC	0.15	51	25	250	0.037	1470	1470
9250-181-RC	0.18	50	25	250	0.047	1300	1300
9250-221-RC	0.22	49	25	250	0.067	1100	1100
9250-271-RC	0.27	47	25	250	0.11	855	855
9250-331-RC	0.33	46	25	250	0.13	780	780
9250-391-RC	0.39	44	25	250	0.18	670	670
9250-471-RC	0.47	44	25	235	0.25	565	565
9250-561-RC	0.56	43	25	210	0.33	490	490
9250-681-RC	0.68	42	25	190	0.45	420	420
9250-821-RC	0.82	40	25	180	0.59	370	370
9250-102-RC	1.0	44	25	140	0.07	1070	1070
9250-122-RC	1.2	44	7.9	130	0.10	895	895
9250-152-RC	1.5	44	7.9	115	0.12	815	815
9250-182-RC	1.8	44	7.9	105	0.14	775	775
9250-222-RC	2.2	44	7.9	100	0.19	650	650
9250-272-RC	2.7	44	7.9	92	0.28	535	535
9250-332-RC	3.3	44	7.9	85	0.35	480	480
9250-392-RC	3.9	44	7.9	75	0.40	450	450
9250-472-RC	4.7	44	7.9	70	0.55	380	380
9250-562-RC	5.6	44	7.9	65	0.72	335	335
9250-682-RC	6.8	50	7.9	55	1.02	280	280
9250-822-RC	8.2	50	7.9	50	1.32	250	250
9250-103-RC	10	50	7.9	46	1.62	220	220
9250-123-RC	12	55	2.5	44	2.0	200	200
9250-153-RC	15	45	2.5	49	0.80	315	250
9250-183-RC	18	45	2.5	45	0.89	300	235
9250-223-RC	22	45	2.5	41	0.96	290	220
9250-273-RC	27	45	2.5	38	1.19	260	200
9250-333-RC	33	45	2.5	34	1.37	240	190
9250-393-RC	39	50	2.5	29	1.93	205	180
9250-473-RC	47	50	2.5	27	2.11	195	175
9250-563-RC	56	50	2.5	25	2.23	190	160
9250-683-RC	68	50	2.5	21	2.70	170	150
9250-823-RC	82	50	2.5	10.5	2.44	180	140
9250-104-RC	100	50	2.5	10.0	3.12	160	120
9250-124-RC	120	55	0.79	9.7	3.6	150	95
9250-154-RC	150	55	0.79	8.5	4.1	140	90
9250-184-RC	180	55	0.79	8.0	4.4	135	85
9250-224-RC	220	55	0.79	7.5	5.0	125	80
9250-274-RC	270	55	0.79	7.0	5.8	115	70
9250-334-RC	330	55	0.79	6.5	6.4	110	65
9250-394-RC	390	60	0.79	6.2	7.4	105	60
9250-474-RC	470	60	0.79	5.7	9.5	92	58
9250-564-RC	560	60	0.79	4.7	10.5	90	55
9250-684-RC	680	60	0.79	4.5	11.8	80	50
9250-824-RC	820	60	0.79	4.2	13.0	80	45

Only available as RoHS compliant.

Continued on next page.

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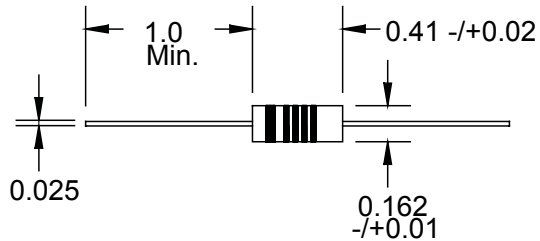
Notes

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9250 Series continued							
Part Number	L (μH) ±10 %	Q Min.	Test Freq. (MHz)	SRF (MHz) Min.	DCR Ω Max.	I, DC* (mA)	I, Incr.** (mA)
9250-105-RC	1000	60	0.79	3.8	17.5	70	40
9250-125-RC	1200	45	0.25	1.5	22.1	60	35
9250-155-RC	1500	45	0.25	1.2	26.5	55	33
9250-185-RC	1800	45	0.25	1.0	29.9	50	30
9250-225-RC	2200	45	0.25	0.97	33.8	50	27
9250-275-RC	2700	45	0.25	0.92	47.3	40	25
9250-335-RC	3300	45	0.25	0.84	53.0	40	22
9250-395-RC	3900	45	0.25	0.80	73.8	35	20
9250-475-RC	4700	45	0.25	0.74	81.6	31	19
9250-565-RC	5600	44	0.25	0.73	98.9	28	17
9250-685-RC	6800	40	0.25	0.66	111	27	16
9250-825-RC	8200	40	0.25	0.54	119	26	15
9250-106-RC	10,000	40	0.25	0.47	137	24	14
9250-126-RC	12,000	30	0.079	0.33	143	23	13
9250-156-RC	15,000	30	0.079	0.29	157	22	12
9250-186-RC	18,000	30	0.079	0.28	175	21	10
9250-226-RC	22,000	27	0.079	0.25	274	17	9
9250-276-RC	27,000	27	0.079	0.21	308	16	8
9250-336-RC	33,000	27	0.079	0.19	343	15	7.5
9250-396-RC	39,000	27	0.079	0.17	376	15	6
9250-476-RC	47,000	23	0.079	0.16	473	13	5.5
9250-566-RC	56,000	23	0.079	0.14	512	13	5
9250-686-RC	68,000	23	0.079	0.13	580	12	4
9250-826-RC	82,000	21	0.079	0.12	618	11	3.5
9250-107-RC	100,000	18	0.079	0.11	678	11	3

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Dimensions: Inches

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