

SMD Wire Wound Ceramic Chip Inductors – CS0805 Series

Electrical Characteristics

Part Number	Inductance (nH)	Test Frequency (MHz)	Tolerance (±%)	Q Min	Test Frequency (MHz)	SRF (MHz) Min	Rdc () Max	Irms (mA) Max	Color
CS0805-2N8□-S	2.8	250	10 / 5	80	1500	7900	0.06	800	Gray
CS0805-3N0□-S	3.0	250	10 / 5	65	1500	7900	0.06	800	White
CS0805-3N3□-S	3.3	250	10 / 5	50	1500	7900	0.08	600	Black
CS0805-5N6□-S	5.6	250	10 / 5	65	1000	5500	0.08	600	Orange
CS0805-6N8□-S	6.8	250	10 / 5	50	1000	5500	0.11	600	Brown
CS0805-7N5□-S	7.5	250	10 / 5	50	1000	4500	0.14	600	Green
CS0805-8N2□-S	8.2	250	10 / 5	50	1000	4700	0.12	600	Red
CS0805-10N□-S	10	250	10 / 5 / 2	60	500	4200	0.10	600	Blue
CS0805-12N□-S	12	250	10 / 5 / 2	50	500	4000	0.15	600	Orange
CS0805-15N□-S	15	250	10 / 5 / 2	50	500	3400	0.17	600	Yellow
CS0805-18N□-S	18	250	10 / 5 / 2	50	500	3300	0.20	600	Green
CS0805-22N□-S	22	250	10 / 5 / 2	55	500	2600	0.22	500	Blue
CS0805-24N□-S	24	250	10 / 5 / 2	50	500	2000	0.22	500	Gray
CS0805-27N□-S	27	250	10 / 5 / 2	55	500	2500	0.25	500	Violet
CS0805-33N□-S	33	250	10 / 5 / 2	60	500	2050	0.27	500	Gray
CS0805-36N□-S	36	250	10 / 5 / 2	55	500	1700	0.27	500	Orange
CS0805-39N□-S	39	250	10 / 5 / 2	60	500	2000	0.29	500	White
CS0805-43N□-S	43	200	10 / 5 / 2	60	500	1650	0.34	500	Yellow
CS0805-47N□-S	47	200	10 / 5 / 2	60	500	1650	0.31	500	Black
CS0805-56N□-S	56	200	10 / 5 / 2	60	500	1550	0.34	500	Brown
CS0805-68N□-S	68	200	10 / 5 / 2	60	500	1450	0.38	500	Red
CS0805-82N□-S	82	150	10 / 5 / 2	65	500	1300	0.42	400	Orange
CS0805-91N□-S	91	150	10 / 5 / 2	65	500	1200	0.48	400	Black
CS0805-R10□-S	100	150	10 / 5 / 2	65	500	1200	0.46	400	Yellow
CS0805-R11□-S	110	150	10 / 5 / 2	50	250	1000	0.48	400	Brown
CS0805-R12□-S	120	150	10 / 5 / 2	50	250	1100	0.51	400	Green
CS0805-R15□-S	150	100	10 / 5 / 2	50	250	920	0.56	400	Blue
CS0805-R18□-S	180	100	10 / 5 / 2	50	250	870	0.64	400	Violet
CS0805-R20□-S	200	100	10 / 5 / 2	50	250	860	0.68	400	Red
CS0805-R22□-S	220	100	10 / 5 / 2	50	250	850	0.70	400	Gray
CS0805-R24□-S	240	100	10 / 5 / 2	44	250	690	1.00	350	Red
CS0805-R25□-S	250	100	10 / 5 / 2	45	250	660	1.20	350	Yellow
CS0805-R27□-S	270	100	10 / 5 / 2	48	250	650	1.00	350	White
CS0805-R33□-S	330	100	10 / 5 / 2	48	250	600	1.40	310	Black
CS0805-R39□-S	390	100	10 / 5 / 2	48	250	560	1.50	290	Brown
CS0805-R47□-S	470	50	10 / 5 / 2	33	100	375	1.76	250	Violet
CS0805-R56□-S	560	25	10 / 5 / 2	23	50	340	1.90	230	Orange
CS0805-R62□-S	620	25	10 / 5 / 2	23	50	220	2.20	210	Yellow
CS0805-R68□-S	680	25	10 / 5 / 2	23	50	188	2.20	190	Green
CS0805-R82□-S	820	25	10 / 5 / 2	23	50	215	2.35	180	Blue
CS0805-1R0□-S	1000	25	10 / 5 / 2	20	50	100	2.50	170	Gray

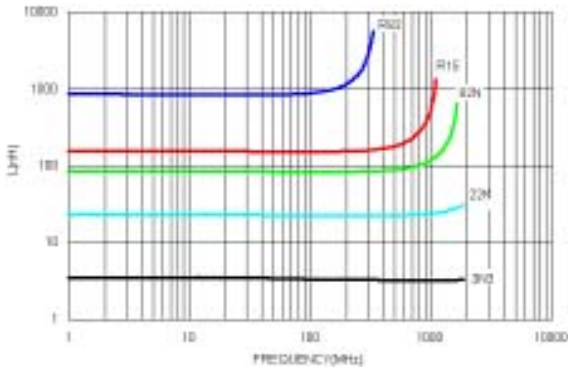
- When ordering, please specify tolerance and packaging codes.
- Tolerance : G = ±2% , J = ±5% , K = ±10%
- Packaging: Clear tape and reel {standard}
- L/Q: Agilent/HP4291A+Agilent/HP16197A
- SRF: Agilent/HP8753D / Agilent/HP4291A
- RDC: CH502BC/HP4338B
- I rms for a 15 rise above 25 ambient.
- Operating temperature range from -40 to 125 .



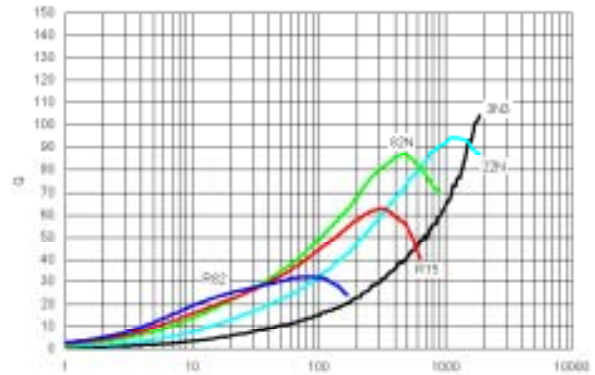
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Test Instruments : HP4291A Material/Impedance Analyzer

Typical **L** vs. **F**requency



Typical **Q** vs. **F**requency



All specifications are subject to change without notification.