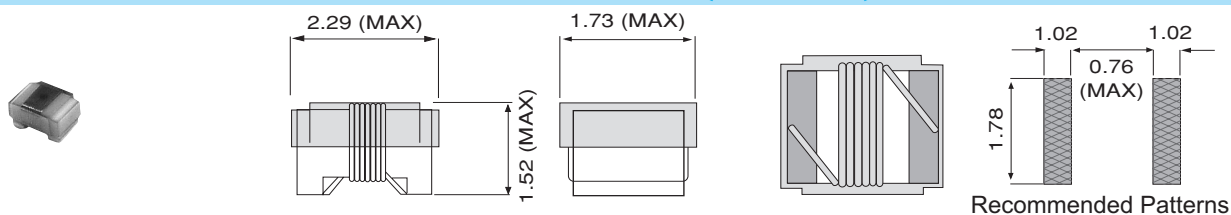


# SMD WIRE WOUND CERAMIC CHIP INDUCTORS

## 0805C SERIES

### Mechanical Dimensions (Unit: mm)



### Electrical Specification

Part Number	Ind (nH)	Test Freq. (MHz)	Inductance Tolerance	Q (min)	Test Freq. (MHz)	SRF(MHz) min	DCR(Ω) max	Rater Current (mA)
0805C-2N2	2.2	1000	M, K, J	35	1000	3000	0.08	600
0805C-2N7	2.7	250	M, K, J	35	1000	6000	0.08	600
0805C-2N8	2.8	250	M, K, J	80	1500	7900	0.06	800
0805C-2N9	2.9	250	M, K, J	50	1000	4700	0.05	600
0805C-3N0	3.0	250	M, K, J	65	1500	7900	0.06	800
0805C-3N3	3.3	250	M, K, J	50	1500	7900	0.08	600
0805C-5N6	5.6	250	M, K, J	65	1000	5500	0.08	600
0805C-6N8	6.8	250	M, K, J	50	1000	5500	0.11	600
0805C-7N5	7.5	250	M, K, J	50	1000	4500	0.14	600
0805C-8N2	8.2	250	M, K, J, G	50	1000	4700	0.12	600
0805C-10N	10	250	M, K, J, G	60	500	4200	0.10	600
0805C-11N	11	700	M, K, J, G	45	500	3000	0.15	600
0805C-12N	12	250	M, K, J, G	50	500	4000	0.15	600
0805C-15N	15	250	M, K, J, G	50	500	3400	0.17	600
0805C-18N	18	250	M, K, J, G	50	500	3300	0.20	600
0805C-22N	22	250	M, K, J, G	55	500	2600	0.22	500
0805C-24N	24	250	M, K, J, G	50	500	2000	0.22	500
0805C-27N	27	250	M, K, J, G	55	500	2500	0.25	500
0805C-33N	33	250	M, K, J, G	60	500	2050	0.27	500
0805C-36N	36	250	M, K, J, G	55	500	1700	0.27	500
0805C-37N	37	350	M, K, J, G	40	500	1800	0.27	500
0805C-38N	38	350	M, K, J, G	40	500	1800	0.27	500
0805C-39N	39	250	M, K, J, G	60	500	2000	0.29	500
0805C-43N	43	200	M, K, J, G	60	500	1650	0.34	500
0805C-47N	47	200	M, K, J, G	60	500	1650	0.31	500
0805C-56N	56	200	K, J, G, F	60	500	1550	0.34	500
0805C-68N	68	200	K, J, G, F	60	500	1450	0.38	500
0805C-82N	82	150	K, J, G, F	65	500	1300	0.42	400
0805C-91N	91	150	K, J, G, F	65	500	1200	0.48	400
0805C-R10	100	150	K, J, G, F	65	500	1200	0.46	400
0805C-R11	110	150	K, J, G, F	50	500	1000	0.48	400
0805C-R12	120	150	K, J, G, F	50	250	1100	0.51	400
0805C-R15	150	100	K, J, G, F	50	250	920	0.56	400
0805C-R18	180	100	K, J, G, F	50	250	870	0.64	400
0805C-R22	220	100	K, J, G	50	250	850	0.70	400
0805C-R24	240	100	K, J, G	44	250	690	1.00	350
0805C-R27	270	100	K, J, G	48	250	650	1.00	350
0805C-R30	300	150	K, J, G	25	250	450	1.40	310
0805C-R33	330	100	K, J, G	48	250	600	1.40	310
0805C-R36	360	100	K, J, G	35	250	400	0.90	300
0805C-R39	390	150	K, J, G	48	250	560	1.50	290
0805C-R43	430	100	K, J, G	25	100	400	1.70	190
0805C-R47	470	50	K, J	33	100	375	1.76	250
0805C-R56	560	25	K, J	23	50	340	1.90	230
0805C-R68	680	25	K, J	23	50	188	2.20	190
0805C-R82	820	25	K, J	23	50	215	2.35	180

- a Tolerance: M:± 20%, K:± 10%, J:± 5%, G:± 2%, F:± 1%.
- b Operating Temp. : -40° C TO +125° C.
- c For 15° C Temperature Rise.
- d Inductance & Q measured using the HP4291B.
- e SRF measured using the HP8753E, or HP8720D.
- f DCR measured using the 502BC milli-ohm meter.

### Characteristic Curve

