

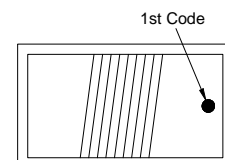
SMD Wire Wound Ceramic Chip Inductors – 0805HCS Series



CHONG YUE CO., LTD.

Part Number	Inductance (nH)	Tolerance (±%)	Q Min	SRF (MHz) Min	Rdc (Ω) Max	Irms (mA) Max	Color Coding
0805HCS-2N8□	2.8 /250MHz	J / K	55 /1500MHz	7900	0.06	800	Gray
0805HCS-3N0□	3.0 /250MHz	J / K	55 /1500MHz	7900	0.08	800	White
0805HCS-3N3□	3.3 /250MHz	J / K	45 /1500MHz	7900	0.12	600	Black
0805HCS-5N6□	5.6 /250MHz	J / K	65 /1000MHz	5500	0.08	600	Orange
0805HCS-6N8□	6.8 /250MHz	J / K	50 /1000MHz	5500	0.11	600	Brown
0805HCS-7N5□	7.5 /250MHz	J / K	50 /1000MHz	4500	0.14	600	Green
0805HCS-8N2□	8.2 /250MHz	J / K	50 /1000MHz	4700	0.16	600	Red
0805HCS-10N□	10 /250MHz	G / J / K	60 /500MHz	4200	0.10	600	Blue
0805HCS-12N□	12 /250MHz	G / J / K	50 /500MHz	4000	0.15	600	Orange
0805HCS-15N□	15 /250MHz	G / J / K	50 /500MHz	3400	0.17	600	Yellow
0805HCS-18N□	18 /250MHz	G / J / K	50 /500MHz	3300	0.20	600	Green
0805HCS-22N□	22 /250MHz	G / J / K	50 /500MHz	2600	0.22	500	Blue
0805HCS-24N□	24 /250MHz	G / J / K	50 /500MHz	2400	0.22	500	Gray
0805HCS-27N□	27 /250MHz	G / J / K	55 /500MHz	2500	0.25	500	Violet
0805HCS-33N□	33 /250MHz	G / J / K	60 /500MHz	2050	0.27	500	Gray
0805HCS-36N□	36 /250MHz	G / J / K	55 /500MHz	1700	0.27	500	Orange
0805HCS-39N□	39 /250MHz	G / J / K	60 /500MHz	2000	0.29	500	White
0805HCS-43N□	43 /200MHz	G / J / K	60 /500MHz	1650	0.34	500	Yellow
0805HCS-47N□	47 /200MHz	G / J / K	60 /500MHz	1650	0.31	500	Black
0805HCS-56N□	56 /200MHz	G / J / K	60 /500MHz	1550	0.34	500	Brown
0805HCS-68N□	68 /200MHz	G / J / K	60 /500MHz	1450	0.38	500	Red
0805HCS-75N□	75 /200MHz	G / J / K	60 /500MHz	1400	0.40	400	Violet
0805HCS-82N□	82 /150MHz	G / J / K	65 /500MHz	1300	0.42	400	Orange
0805HCS-91N□	91 /150MHz	G / J / K	65 /500MHz	1200	0.48	400	Black
0805HCS-R10□	100 /150MHz	G / J / K	65 /500MHz	1200	0.46	400	Yellow
0805HCS-R11□	110 /150MHz	G / J / K	50 /250MHz	1000	0.48	400	Brown
0805HCS-R12□	120 /150MHz	G / J / K	50 /250MHz	1100	0.51	400	Green
0805HCS-R15□	150 /100MHz	G / J / K	50 /250MHz	920	0.56	400	Blue
0805HCS-R18□	180 /100MHz	G / J / K	50 /250MHz	870	0.64	400	Violet
0805HCS-R20□	200 /100MHz	G / J / K	50 /250MHz	865	0.68	400	Red
0805HCS-R22□	220 /100MHz	G / J / K	50 /250MHz	850	0.70	400	Gray
0805HCS-R24□	240 /100MHz	G / J / K	44 /250MHz	690	1.00	350	Red
0805HCS-R25□	250 /100MHz	G / J / K	48 /250MHz	680	1.00	350	Yellow
0805HCS-R27□	270 /100MHz	G / J / K	48 /250MHz	650	1.00	350	White
0805HCS-R33□	330 /100MHz	G / J / K	48 /250MHz	650	1.40	310	Black
0805HCS-R36□	360 /100MHz	G / J / K	48 /250MHz	650	1.45	300	Orange
0805HCS-R39□	390 /100MHz	G / J / K	48 /250MHz	560	1.50	290	Brown
0805HCS-R43□	430 /50MHz	G / J / K	33 /100MHz	430	1.70	270	Blue
0805HCS-R47□	470 /50MHz	G / J / K	30 /100MHz	375	1.76	250	Violet
0805HCS-R56□	560 /25MHz	G / J / K	23 /50MHz	340	1.90	230	Orange
0805HCS-R62□	620 /25MHz	G / J / K	23 /50MHz	220	2.20	210	White
0805HCS-R68□	680 /25MHz	G / J / K	23 /50MHz	188	2.20	190	Green
0805HCS-R82□	820 /25MHz	G / J / K	23 /50MHz	215	2.35	180	Blue
0805HCS-1R0□	1000 /25MHz	G / J / K	22 /50MHz	200	2.45	180	Violet
0805HCS-1R5□	1500 /7.9MHz	G / J / K	16 /25MHz	100	2.50	170	Black

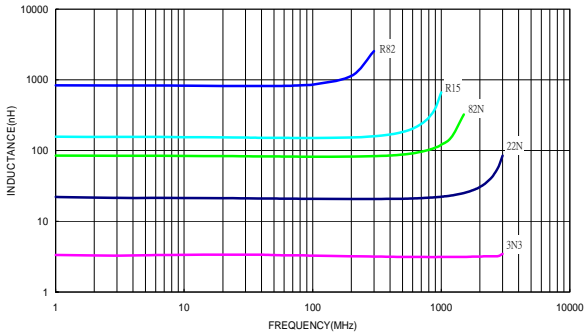
- When ordering, please specify tolerance and packaging codes. Ex: 0805HCS-R10□
- Tolerance : G = ±2% , J = ±5% , K = ±10%
- Packaging: Clear tape and reel {standard}.
- L /Q: Agilent E4991A+ Agilent 16197A
- SRF: HP8753D/ Agilent E4991A
- RDC: Digital Milliohm Meter Chroma 16502 or equivalent.



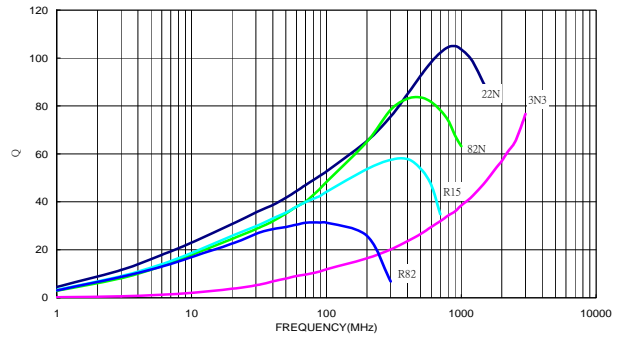
COLOR CODING

- Irms for a 15°C rise above 25°C ambient.
- Operating temperature range from -40°C to 125°C

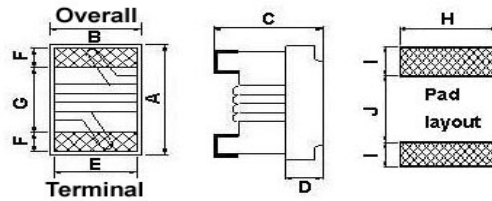
Typical L vs. Frequency



Typical Q vs. Frequency



Shapes & Dimensions



Dimensions

		A max	B max	C max	D ref	E	F	G	H	I	J
0805HCS	mm	2.40	1.65	1.45	0.65	1.27	0.44	1.15	1.78	1.02	0.76

Note: Parts/Reel: 2000/7" Tape Width: 8mm