

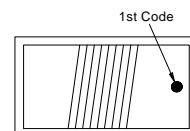
SMD Wire Wound Ceramic Chip Inductors – 0603HCS Series



CHONG YUE CO., LTD.

Part Number	Inductance (nH)	Tolerance (±%)	Q Min	SRF (MHz) Min	Rdc (Ω) Max	Irms (mA) Max	Color Coding
0603HCS-1N6□	1.6 /250MHz	J / K	24 /250MHz	12500	0.030	700	Red
0603HCS-1N8□	1.8 /250MHz	J / K	16 /250MHz	12500	0.045	700	Black
0603HCS-2N2□	2.2 /250MHz	J / K	13 /250MHz	12500	0.250	700	Yellow
0603HCS-3N3□	3.3 /250MHz	J / K	30 /250MHz	5900	0.045	700	Blue
0603HCS-3N6□	3.6 /250MHz	J / K	22 /250MHz	5900	0.063	700	Red
0603HCS-3N9□	3.9 /250MHz	J / K	22 /250MHz	6900	0.080	700	Brown
0603HCS-4N3□	4.3 /250MHz	J / K	22 /250MHz	5900	0.063	700	Orange
0603HCS-4N7□	4.7 /250MHz	J / K	20 /250MHz	5800	0.085	700	Violet
0603HCS-5N1□	5.1 /250MHz	J / K	20 /250MHz	5700	0.115	700	Green
0603HCS-5N6□	5.6 /250MHz	J / K	20 /250MHz	5800	0.160	700	Black
0603HCS-6N8□	6.8 /250MHz	J / K	27 /250MHz	5800	0.125	700	Red
0603HCS-7N5□	7.5 /250MHz	J / K	28 /250MHz	4800	0.106	700	Brown
0603HCS-8N2□	8.2 /250MHz	J / K	30 /250MHz	4700	0.125	700	Orange
0603HCS-8N7□	8.7 /250MHz	J / K	28 /250MHz	4600	0.109	700	Yellow
0603HCS-9N5□	9.5 /250MHz	J / K	28 /250MHz	5400	0.145	700	Blue
0603HCS-10N□	10 /250MHz	G / J / K	31 /250MHz	4800	0.145	700	Orange
0603HCS-11N□	11 /250MHz	G / J / K	30 /250MHz	4000	0.145	700	Gray
0603HCS-12N□	12 /250MHz	G / J / K	35 /250MHz	4000	0.140	700	Yellow
0603HCS-15N□	15 /250MHz	G / J / K	35 /250MHz	4000	0.180	700	Green
0603HCS-16N□	16 /250MHz	G / J / K	34 /250MHz	3300	0.170	700	White
0603HCS-18N□	18 /250MHz	G / J / K	35 /250MHz	3100	0.180	700	Blue
0603HCS-22N□	22 /250MHz	G / J / K	38 /250MHz	3000	0.190	700	Violet
0603HCS-23N□	23 /250MHz	G / J / K	38 /250MHz	2850	0.205	700	Orange
0603HCS-24N□	24 /250MHz	G / J / K	36 /250MHz	2650	0.205	700	Black
0603HCS-27N□	27 /250MHz	G / J / K	40 /250MHz	2800	0.220	600	Gray
0603HCS-30N□	30 /250MHz	G / J / K	37 /250MHz	2250	0.220	600	Brown
0603HCS-33N□	33 /250MHz	G / J / K	40 /250MHz	2300	0.220	600	White
0603HCS-36N□	36 /250MHz	G / J / K	37 /250MHz	2080	0.250	600	Red
0603HCS-39N□	39 /250MHz	G / J / K	40 /250MHz	2200	0.260	600	Black
0603HCS-43N□	43 /250MHz	G / J / K	38 /250MHz	2000	0.280	600	Orange
0603HCS-47N□	47 /200MHz	G / J / K	38 /200MHz	2000	0.280	600	Brown
0603HCS-51N□	51 /200MHz	G / J / K	38 /200MHz	2130	0.300	600	Violet
0603HCS-56N□	56 /200MHz	G / J / K	38 /200MHz	1900	0.310	600	Red
0603HCS-68N□	68 /200MHz	G / J / K	37 /200MHz	1700	0.340	600	Orange
0603HCS-72N□	72 /150MHz	G / J / K	34 /150MHz	1700	0.490	400	Yellow
0603HCS-82N□	82 /150MHz	G / J / K	34 /150MHz	1700	0.540	400	Green
0603HCS-R10□	100 /150MHz	G / J / K	34 /150MHz	1400	0.580	400	Blue
0603HCS-R11□	110 /150MHz	G / J / K	32 /150MHz	1350	0.610	300	Violet
0603HCS-R12□	120 /150MHz	G / J / K	32 /150MHz	1300	0.650	300	Gray
0603HCS-R15□	150 /150MHz	G / J / K	28 /150MHz	990	0.920	280	White
0603HCS-R18□	180 /100MHz	G / J / K	25 /100MHz	990	1.250	240	Black
0603HCS-R20□	200 /100MHz	G / J / K	25 /100MHz	990	1.500	200	Orange
0603HCS-R22□	220 /100MHz	G / J / K	25 /100MHz	900	1.600	200	Brown
0603HCS-R24□	240 /100MHz	G / J / K	25 /100MHz	900	1.900	200	Violet
0603HCS-R27□	270 /100MHz	G / J / K	24 /100MHz	900	2.000	170	Red
0603HCS-R33□	330 /100MHz	G / J / K	25 /100MHz	900	2.750	100	Blue
0603HCS-R39□	390 /100MHz	G / J / K	25 /100MHz	900	3.150	100	Yellow

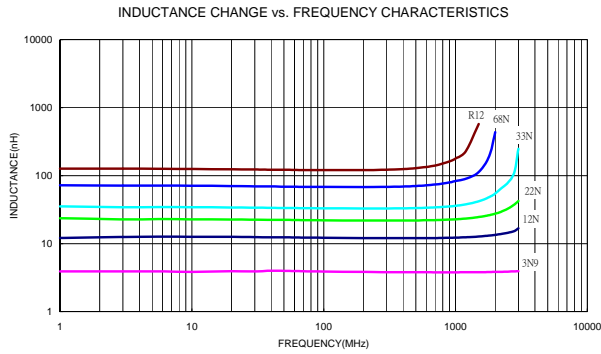
- When ordering, please specify tolerance and packaging codes. Ex: 0603HCS-R10□
- Tolerance : G = ±2% , J = ±5% , K = ±10%
- Packaging: Clear tape and reel {standard}.
- L /Q: Agilent E4991A+ Agilent 16197A



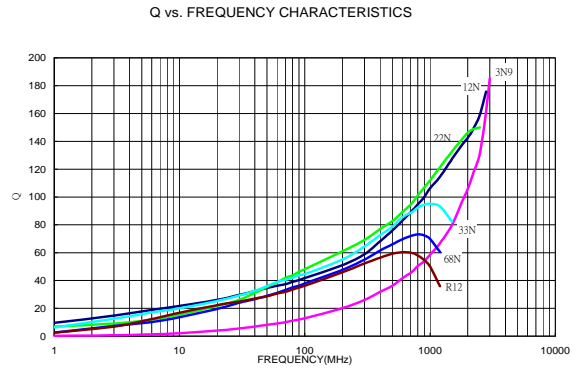
COLOR CODING

- SRF: HP8753D/ Agilent E4991A
- RDC: Digital Milliohm Meter Chroma 16502 or equivalent.
- Irms for a 15°C rise above 25°C ambient.
- Operating temperature range from -40°C to 125°C

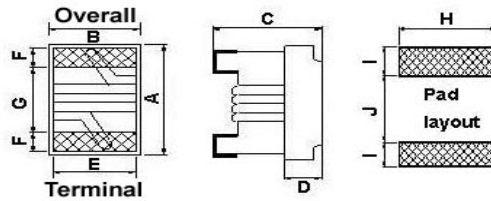
Typical L vs. Frequency



Typical Q vs. Frequency



Shapes & Dimensions



Dimensions

		A max	B max	C max	D ref	E	F	G	H	I	J
0603HCS	mm	1.80	1.20	1.02	0.45	0.90	0.33	0.86	1.02	0.64	0.64

Note: Parts/Reel: 4000/7" Tape Width: 8mm