

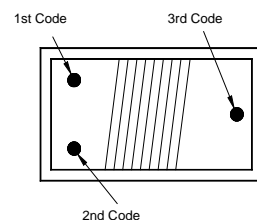
# SMD Wire Wound Ceramic Chip Inductors – 1008HCY Series



CHONG YUE CO., LTD.

Part Number	Inductance (nH)	Tolerance (±%)	Q Min	SRF (MHz) Min	Rdc (Ω) Max	Irms (mA) Max	Color Coding		
							1ST	2ND	3RD
1008HCY-10N□	10 /50MHz	G / J / K	50 /500MHz	4100	0.08	1000	Brown	Black	Black
1008HCY-12N□	12 /50MHz	G / J / K	50 /500MHz	3300	0.09	1000	Brown	Red	Black
1008HCY-15N□	15 /50MHz	G / J / K	50 /500MHz	2500	0.16	1000	Brown	Green	Black
1008HCY-18N□	18 /50MHz	G / J / K	50 /350MHz	2500	0.11	1000	Brown	Gray	Black
1008HCY-22N□	22 /50MHz	G / J / K	55 /350MHz	2400	0.12	1000	Red	Red	Black
1008HCY-27N□	27 /50MHz	G / J / K	50 /350MHz	1600	0.13	1000	Red	Violet	Black
1008HCY-33N□	33 /50MHz	G / J / K	60 /350MHz	1600	0.14	1000	Orange	Orange	Black
1008HCY-39N□	39 /50MHz	G / J / K	60 /350MHz	1500	0.15	1000	Orange	White	Black
1008HCY-47N□	47 /50MHz	G / J / K	65 /350MHz	1500	0.16	1000	Yellow	Violet	Black
1008HCY-56N□	56 /50MHz	G / J / K	65 /350MHz	1300	0.18	1000	Green	Blue	Black
1008HCY-68N□	68 /50MHz	G / J / K	65 /350MHz	1300	0.20	1000	Blue	Gray	Black
1008HCY-82N□	82 /50MHz	G / J / K	60 /350MHz	1000	0.22	1000	Gray	Red	Black
1008HCY-R10□	100 /25MHz	G / J / K	60 /350MHz	1000	0.56	650	Brown	Black	Brown
1008HCY-R12□	120 /25MHz	G / J / K	60 /350MHz	950	0.63	650	Brown	Red	Brown
1008HCY-R15□	150 /25MHz	G / J / K	45 /100MHz	850	0.70	580	Brown	Green	Brown
1008HCY-R18□	180 /25MHz	G / J / K	45 /100MHz	750	0.77	620	Brown	Gray	Brown
1008HCY-R22□	220 /25MHz	G / J / K	45 /100MHz	700	0.84	500	Red	Red	Brown
1008HCY-R27□	270 /25MHz	G / J / K	45 /100MHz	600	0.91	500	Red	Violet	Brown
1008HCY-R33□	330 /25MHz	G / J / K	45 /100MHz	570	1.05	450	Orange	Orange	Brown
1008HCY-R39□	390 /25MHz	G / J / K	45 /100MHz	500	1.12	470	Orange	White	Brown
1008HCY-R47□	470 /25MHz	G / J / K	45 /100MHz	450	1.19	470	Yellow	Violet	Brown
1008HCY-R56□	560 /25MHz	G / J / K	45 /100MHz	415	1.33	400	Green	Blue	Brown
1008HCY-R62□	620 /25MHz	G / J / K	45 /100MHz	375	1.40	300	Blue	Red	Brown
1008HCY-R68□	680 /25MHz	G / J / K	45 /100MHz	375	1.47	400	Blue	Gray	Brown
1008HCY-R75□	750 /25MHz	G / J / K	45 /100MHz	360	1.54	360	Violet	Green	Brown
1008HCY-R82□	820 /25MHz	G / J / K	45 /100MHz	350	1.61	400	Gray	Red	Brown
1008HCY-R91□	910 /25MHz	G / J / K	35 /50MHz	320	1.68	380	White	Brown	Brown
1008HCY-1R0□	1000 /25MHz	G / J / K	35 /50MHz	290	1.75	400	Brown	Black	Red
1008HCY-1R2□	1200 /7.9MHz	G / J / K	35 /50MHz	250	2.00	310	Brown	Red	Red
1008HCY-1R5□	1500 /7.9MHz	G / J / K	28 /50MHz	200	2.30	330	Brown	Green	Red
1008HCY-1R8□	1800 /7.9MHz	G / J / K	28 /50MHz	160	2.60	300	Brown	Gray	Red
1008HCY-2R2□	2200 /7.9MHz	G / J / K	28 /50MHz	160	2.80	280	Red	Red	Red
1008HCY-2R7□	2700 /7.9MHz	G / J / K	22 /25MHz	135	3.20	290	Red	Violet	Red
1008HCY-3R3□	3300 /7.9MHz	G / J / K	22 /25MHz	110	3.40	290	Orange	Orange	Red
1008HCY-3R9□	3900 /7.9MHz	G / J / K	20 /25MHz	100	3.60	260	Orange	White	Red
1008HCY-4R7□	4700 /7.9MHz	G / J / K	20 /25MHz	90	4.00	260	Yellow	Violet	Red
1008HCY-5R6□	5600 /7.9MHz	G / J / K	18 /7.9MHz	40	4.20	240	Green	Blue	Red
1008HCY-6R8□	6800 /7.9MHz	G / J / K	18 /7.9MHz	40	4.90	200	Blue	Gray	Red
1008HCY-8R2□	8200 /7.9MHz	G / J / K	18 /7.9MHz	25	6.00	170	Gray	Red	Red
1008HCY-100□	10000 /2.5MHz	G / J / K	18 /7.9MHz	25	8.00	150	Brown	Black	Orange

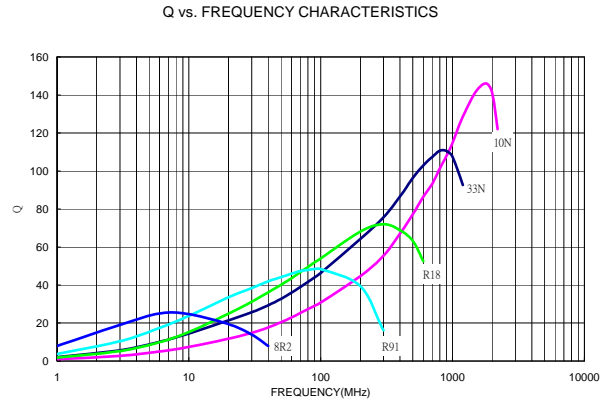
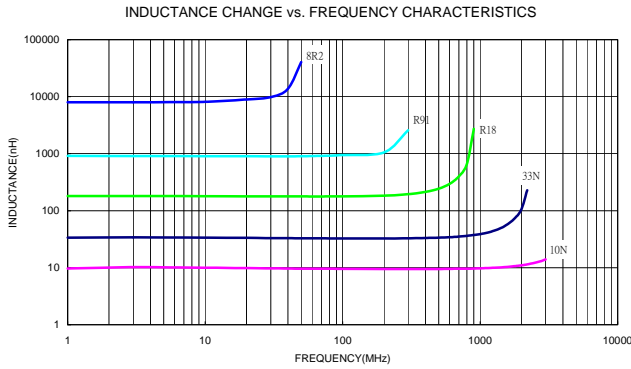
- When ordering, please specify tolerance and packaging codes. Ex: 1008HCY-R10□
- Tolerance : G = ±2% , J = ±5% , K = ±10%
- Packaging: Clear tape and reel {standard}.
- L /Q: Agilent E4991A+ Agilent 16197A
- SRF: HP8753D/ Agilent E4991A
- RDC: Digital Milliohm Meter Chroma 16502 or equivalent.
- Irms for a 15°C rise above 25°C ambient.
- Operating temperature range from -40°C to 125°C



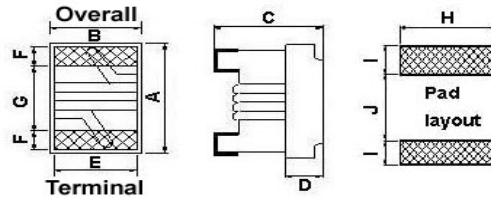
**COLOR CODING**

**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
<b>1008HCY</b>	mm	2.90	2.54	2.03	1.30	2.03	0.51	1.52	2.54	1.02	1.27

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