

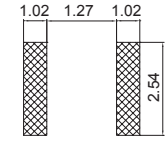
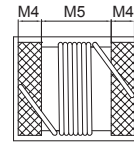
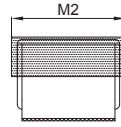
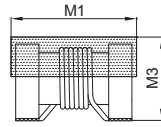
# 1008HQ Series

## ■ SMD Wire Wound Ceramic Chip Inductors

### MECHANICAL DIMENSIONS



1008HQ



Recommended Patterns

unit: mm

Part Number	M1	M2	M3	M4	M5
1008HQ	2.92 MAX.	2.79 MAX.	2.03 MAX.	0.51 ± 0.5	1.52 ± 0.5

### ELECTRICAL SPECIFICATION

Part Number	Inductance (nH)	Inductance Tolerance	Test Freq. (MHz)	Q Min.	Test Freq. (MHz)	SRF (GHz) Min.	DCR (Ω) Max.	I <sub>rms</sub> (mA)	Color Code		
									1st	2nd	multiplier
1008HQ-3N0□-LRH	3.0	J	50	70	1500	8.10	0.04	1.6	ORANGE	BLACK	BLACK
1008HQ-4N1□-LRH	4.1	J	50	75	1500	6.20	0.05	1.6	YELLOW	BROWN	BLACK
1008HQ-7N8□-LRH	7.8	J	50	75	500	3.80	0.05	1.6	VIOLET	GRAY	BLACK
1008HQ-10N□-LRH	10	J,G	50	60	500	3.60	0.06	1.6	BROWN	BLACK	BROWN
1008HQ-12N□-LRH	12	J,G	50	70	500	2.80	0.06	1.5	BROWN	RED	BROWN
1008HQ-18N□-LRH	18	J,G	50	62	350	2.70	0.07	1.4	BROWN	GRAY	BROWN
1008HQ-22N□-LRH	22	J,G	50	62	350	2.05	0.07	1.4	RED	RED	BROWN
1008HQ-33N□-LRH	33	J,G	50	75	350	1.70	0.09	1.3	ORANGE	ORANGE	BROWN
1008HQ-36N□-LRH	36	J,G	50	65	350	1.40	0.09	1.3	ORANGE	BLUE	BROWN
1008HQ-39N□-LRH	39	J,G	50	75	350	1.30	0.09	1.3	ORANGE	WHITE	BROWN
1008HQ-47N□-LRH	47	J,G	50	75	350	1.45	0.12	1.2	YELLOW	VIOLET	BROWN
1008HQ-56N□-LRH	56	J,G	50	75	350	1.23	0.12	1.2	GREEN	BLUE	BROWN
1008HQ-68N□-LRH	68	J,G	50	80	350	1.15	0.13	1.1	BLUE	GRAY	BROWN
1008HQ-82N□-LRH	82	J,G	50	80	350	1.06	0.16	1.1	GRAY	RED	BROWN
1008HQ-R10□-LRH	100	J,G	50	62	350	0.82	0.16	1.0	BROWN	BLACK	RED

- Tolerance: G = ± 2% ; J = ± 5%
- Operating Temp: -40°C to +125°C
- For 15°C Temperature Rise.
- Inductance & Q measured using the 4287A with 16197A
- SRF measured using the HP 8753E or HP4291B with 16193A / ENA5071 or equivalent.
- DCR measured using the AGILENT 4338B.
- Unspecified values available on request.

### CHARACTERISTIC CURVE

#### 1008HQ Series

