

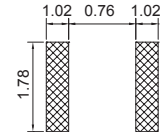
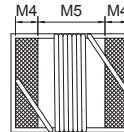
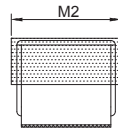
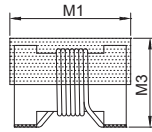
# 0805HQ Series

## ■ SMD Wire Wound Ceramic Chip Inductors

### MECHANICAL DIMENSIONS



0805HQ



Recommended Patterns

unit: mm

Part Number	M1	M2	M3	M4	M5
0805HQ	2.40 MAX.	1.65 MAX.	1.45 MAX.	0.4±0.5	1.1±0.5

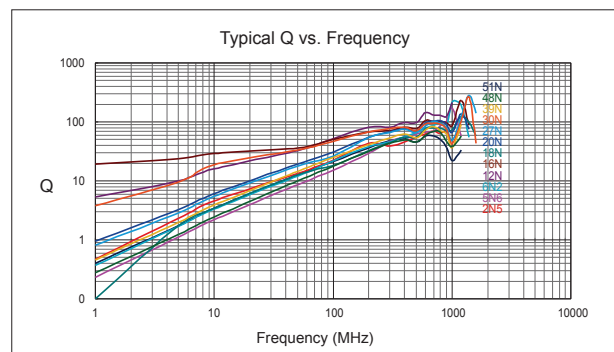
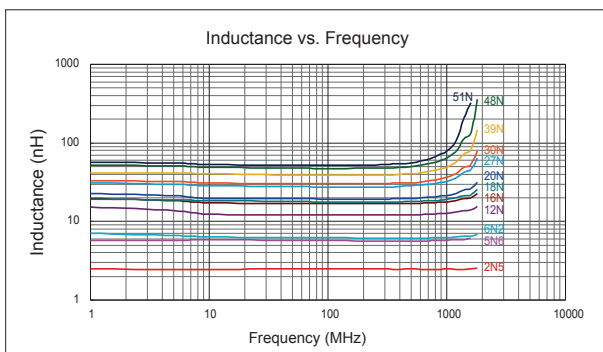
### ELECTRICAL SPECIFICATION

Part Number	Inductance (nH)	Inductance Tolerance	Test Freq. (MHz)	Q (min.)	Test Freq. (MHz)	SRF (GHz) Min.	DCR (mΩ) Max.	I <sub>rms</sub> (A)	Color Code
0805HQ-6N2 □ -LRH	6.2	J	250	88	1000	4.75	35	1.6	Red
0805HQ-12N □ -LRH	12	J,G	250	80	1000	3.00	45	1.6	Orange
0805HQ-16N □ -LRH	16	J,G	250	72	500	2.95	60	1.5	Yellow
0805HQ-18N □ -LRH	18	J,G	250	75	500	2.55	60	1.4	Green
0805HQ-20N □ -LRH	20	J,G	250	70	500	2.05	55	1.4	Blue
0805HQ-27N □ -LRH	27	J,G	250	75	500	2.00	70	1.3	Violet
0805HQ-30N □ -LRH	30	J,G	250	65	500	1.95	95	1.2	Gray
0805HQ-39N □ -LRH	39	J,G	250	65	500	1.60	110	1.1	White
0805HQ-48N □ -LRH	48	J,G	200	65	500	1.40	95	1.2	Black
0805HQ-51N □ -LRH	51	J,G	200	65	500	1.40	120	1.0	Brown

- 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 / ENA5017C or equivalent.
- DCR measured using the AGILENT 4338B.
- Unspecified values available on request.

### CHARACTERISTIC CURVE

#### 0805HQ Series



SMD

Leaded