

**HQC1008 -Series (1008) Ceramic type**

**FEATURES**

- Especially high Q factor in this series for customers' design.
- Resin-coated surface enables excellent mounting.
- Low DC resistance design is ideal for low loss, high output and low power consumption.



**APPLICATIONS**

- For high-frequency applications including mobile phones, portable phones, such as PA, ANT, VCO, SAW, etc.
- Mobile phones such as GSM, CDMA, PDC, etc.
- Bluetooth,W-LAN



**PRODUCT IDENTIFICATION**

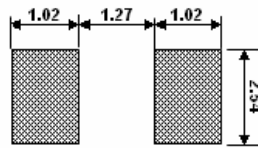
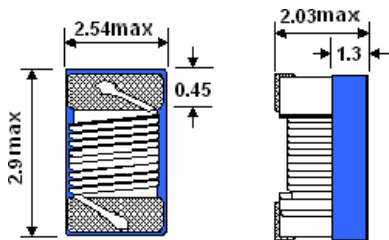
**HQC 1008 - 10N J - E**

(1) (2) (3) (4) (5)

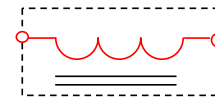
- (1) Product name
- (2) Shapes and Dimensions (LxW)
- (3) Inductance : 10N:10nH, 3N3:3.3nH
- (5) Lead free, Rohs compliant

**SHAPES AND DIMENSIONS (mm)**

**RECOMMENDED FOOTPRINT**



**Equivalent circuit**



**No Polarity**

**HQC1008- Series (1008)**

Our Product Part Number	Inductance (nH)/MHz	Inductance tolerance	Q Min.	SRF(Min.) (MHz)	Rdc(Ω) Max.	Irms(mA)	Color Coding		
							1st	2nd	3rd
HQC1008-4N1□-E	4.1/150	J. K	75/1500	6000	0.05	1600	Black	Yellow	Black
HQC1008-10N□-E	10/50	J. K	60/500	3600	0.06	1600	Brown	Black	Black
HQC1008-12N□-E	12/50	J. K	60/500	2800	0.06	1500	Brown	Red	Black
HQC1008-18N□-E	18/50	G.J.K	62/350	2700	0.07	1400	Brown	Gray	Black
HQC1008-22N□-E	22/50	G.J.K	62/350	2050	0.07	1400	Red	Red	Black
HQC1008-33N□-E	33/50	G.J.K	75/350	1700	0.09	1300	Orange	Orange	Black
HQC1008-39N□-E	39/50	G.J.K	75/350	1300	0.09	1300	Orange	White	Black
HQC1008-47N□-E	47/50	G.J.K	75/350	1450	0.12	1200	Yellow	Violet	Black
HQC1008-56N□-E	56/50	G.J.K	75/350	1200	0.12	1200	Green	Blue	Black
HQC1008-68N□-E	68/50	G.J.K	80/350	1150	0.13	1100	Blue	Gray	Black
HQC1008-82N□-E	82/50	G.J.K	80/350	1060	0.16	1100	Gray	Red	Black
HQC1008-R10□-E	100/50	G.J.K	62/350	1000	0.18	1000	Brown	Black	Brown
HQC1008-R12□-E	120/25	G.J.K	50/100	870	0.18	1000	Brown	Red	Brown
HQC1008-R15□-E	150/25	G.J.K	50/100	850	0.23	1000	Brown	Green	Brown
HQC1008-R22□-E	220/25	G.J.K	50/100	750	0.35	1000	Red	Red	Brown
HQC1008-R27□-E	270/25	G.J.K	48/100	630	0.40	900	Red	Violet	Brown
HQC1008-R33□-E	330/25	G.J.K	48/100	570	0.47	900	Orange	Orange	Brown
HQC1008-R39□-E	390/25	G.J.K	48/100	500	0.62	900	Orange	White	Brown

1. When ordering, please specify tolerance and packaging codes. Ex: HQC1008-R12J-E

Tolerance : G = ±2% , J = ±5% , K = ±10%

Packaging : Clear tape and reel { standard }. \*

2. L , Q : Agilent/HP E4991A+ Agilent/HP16197A

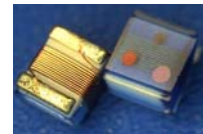
3. SRF : Agilent/E5071B / Agilent/HP E4991A

4. Rdc : DIGITAL MILLIOHM METER Chroma 16502, or equivalent.

5. Irms for a 15°C rise above 25°C ambient.

6. Operating temperature range from -25°C to 85°C.

\* Parts/Reel: 7" 2,000 Tape Width: 8mm



# HQC1008 Characteristics (L,Q vs. Frequency)

