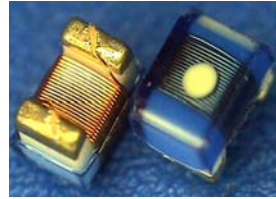


**HSC0805 -Series (0805) Ceramic type**

**FEATURES**

- Can be used for high frequency bands up to GHz and stable inductance at high frequency.
- The high self resonant frequency realizes high Q value
- 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**

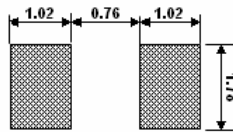
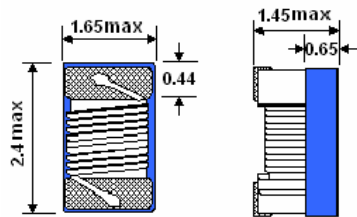
**HSC 0805 - 10N J - E**

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

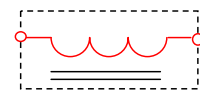
- (1) Product name
- (2) Shapes and Dimensions (LxW)
- (3) Inductance : 10N:10nH, 3N3:3.3nH
- (4) Tolerance: G:±2%, J:±5%,K:±10%
- (5) E: Lead free , Rohs compliant

**SHAPES AND DIMENSIONS (mm)**

**RECOMMENDED FOOTPRINT**



**Equivalent circuit**



**No Polarity**

## HSC0805- Series (0805)

Our Product Part Number	Inductance (nH)/MHz	Inductance tolerance	Q Min.	SRF(Min.) (MHz)	Rdc( $\Omega$ ) Max.	Irms(mA)	Color Coding
HSC0805-2N8□-E	2.8/250	J.K	70/1500	7900	0.06	800	Gray
HSC0805-3N0□-E	3.0/250	J.K	55/1500	7900	0.08	800	White
HSC0805-3N3□-E	3.3/250	J.K	45/1500	7900	0.12	600	Black
HSC0805-5N6□-E	5.6/250	J.K	65/1000	5500	0.08	600	Orange
HSC0805-6N8□-E	6.8/250	J.K	50/1000	5500	0.11	600	Brown
HSC0805-7N5□-E	7.5/250	J.K	50/1000	4500	0.14	600	Green
HSC0805-8N2□-E	8.2/250	J.K	50/1000	4700	0.16	600	Red
HSC0805-10N□-E	10/250	G. J. K	60/500	4200	0.10	600	Blue
HSC0805-12N□-E	12/250	G. J. K	50/500	4000	0.15	600	Orange
HSC0805-15N□-E	15/250	G. J. K	50/500	3400	0.17	600	Yellow
HSC0805-18N□-E	18/250	G. J. K	50/500	3300	0.20	600	Green
HSC0805-22N□-E	22/250	G. J. K	55/500	2600	0.22	500	Blue
HSC0805-24N□-E	24/250	G. J. K	50/500	2000	0.22	500	Gray
HSC0805-27N□-E	27/250	G. J. K	55/500	2500	0.25	500	Violet
HSC0805-33N□-E	33/250	G. J. K	60/500	2050	0.27	500	Gray
HSC0805-36N□-E	36/250	G. J. K	55/500	1700	0.27	500	Orange
HSC0805-39N□-E	39/250	G. J. K	60/500	2000	0.29	500	White
HSC0805-43N□-E	43/200	G. J. K	60/500	1650	0.34	500	Yellow
HSC0805-47N□-E	47/200	G. J. K	60/500	1650	0.31	500	Black
HSC0805-56N□-E	56/200	G. J. K	60/500	1550	0.34	500	Brown
HSC0805-68N□-E	68/200	G. J. K	60/500	1450	0.38	500	Red
HSC0805-82N□-E	82/150	G. J. K	65/500	1300	0.42	400	Orange
HSC0805-91N□-E	91/150	G. J. K	65/500	1200	0.48	400	Black
HSC0805-R10□-E	100/150	G. J. K	65/500	1200	0.46	400	Yellow
HSC0805-R11□-E	110/150	G. J. K	50/250	1000	0.48	400	Brown
HSC0805-R12□-E	120/150	G. J. K	50/250	1100	0.51	400	Green
HSC0805-R15□-E	150/100	G. J. K	50/250	920	0.56	400	Blue
HSC0805-R16□-E	160/100	G. J. K	50/250	900	0.60	400	Gray
HSC0805-R18□-E	180/100	G. J.K	50/250	870	0.64	400	Violet
HSC0805-R20□-E	200/100	G. J.K	50/250	865	0.68	400	Red
HSC0805-R22□-E	220/100	G. J.K	50/250	850	0.70	400	Gray
HSC0805-R24□-E	240/100	G. J.K	44/250	690	1.00	350	Red
HSC0805-R25□-E	250/100	G. J.K	48/250	680	1.00	350	Yellow
HSC0805-R27□-E	270/100	G. J.K	48/250	650	1.00	350	White
HSC0805-R33□-E	330/100	G. J.K	48/250	600	1.40	310	Black
HSC0805-R39□-E	390/100	G. J.K	48/250	560	1.50	290	Brown
HSC0805-R47□-E	470/500	G. J.K	30/100	375	1.76	250	Violet
HSC0805-R56□-E	560/25	G. J.K	23/50	340	1.90	230	Orange
HSC0805-R62□-E	620/25	G. J.K	23/50	220	2.20	210	White
HSC0805-R68□-E	680/25	G. J.K	23/50	188	2.20	190	Green
HSC0805-R82□-E	820/25	G. J.K	23/50	215	2.35	180	Blue
HSC0805-1R0□-E	1000/25	G. J.K	22/50	200	2.45	170	Violet

1. When ordering, please specify tolerance and packaging codes. Ex: HSC0805-R12J-E

Tolerance : G =  $\pm 2\%$  , J =  $\pm 5\%$  , K =  $\pm 10\%$

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

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

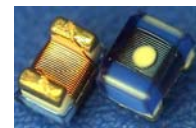
3. SRF : Agilent/E5071B / Agilent/HP E4991A

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

5. I rms 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



## HSC0805 Characteristics (L,Q vs. Frequency)

