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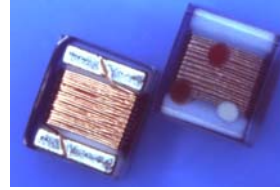
## HEC1008-Series

### High Frequency SMD Inductor for Signal Line

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#### 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

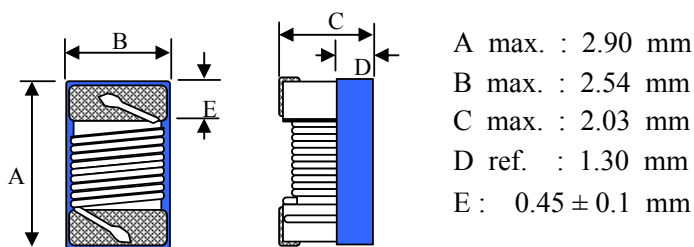
- For high-frequency applications including mobile phones, portable phones, such as PA, ANT, VCO, SAW, etc.
- Mobile phones such as GSM, CDMA, PDC, etc.
- Bluetooth, W-LAN

#### PRODUCT IDENTIFICATION

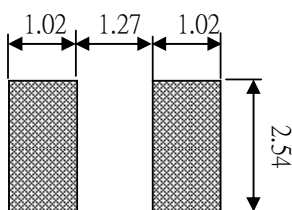
##### HEC 1008 - 10N J - T

- |                                 |                              |
|---------------------------------|------------------------------|
| (1) Product name                | (4) Tolerance                |
| (2) Shapes and Dimensions (LxW) | G : ±2% ; J : ±5% ; K : ±10% |
| (3) Inductance                  | (6) Taping style             |
| 10N:10nH, 3N3:3.3nH             | T : Taping ; None : Bulk     |

#### SHAPES AND DIMENSIONS(Unit:mm)



#### RECOMMENDED FOOTPRINT(Unit:mm)



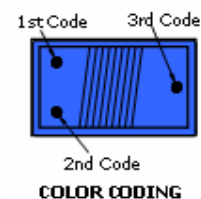
## HEC1008-Series

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#### ELECTRICAL CHARACTERISTICS

Our Product Part Number	Inductance (nH)/MHz	Inductance Tolerance	Q/MHz Min.	SRF(Min.) (MHz)	RDC ( $\Omega$ )Max	Irms Max. (mA)	Color Coding		
							1st	2nd	3rd
HEC1008-10N□-T	10/50	G,J,K	50/500	4100	0.08	1000	Brown	Black	Black
HEC1008-12N□-T	12/50	G,J,K	50/500	3300	0.09	1000	Brown	Red	Black
HEC1008-15N□-T	15/50	G,J,K	50/500	2500	0.16	1000	Brown	Green	Black
HEC1008-18N□-T	18/50	G,J,K	50/350	2500	0.11	1000	Brown	Gray	Black
HEC1008-22N□-T	22/50	G,J,K	55/350	2400	0.12	1000	Red	Red	Black
HEC1008-27N□-T	27/50	G,J,K	50/350	1600	0.13	1000	Red	Violet	Black
HEC1008-33N□-T	33/50	G,J,K	60/350	1600	0.14	1000	Orange	Orange	Black
HEC1008-39N□-T	39/50	G,J,K	60/350	1500	0.15	1000	Orange	White	Black
HEC1008-47N□-T	47/50	G,J,K	65/350	1500	0.16	1000	Yellow	Violet	Black
HEC1008-56N□-T	56/50	G,J,K	65/350	1300	0.18	1000	Green	Blue	Black
HEC1008-68N□-T	68/50	G,J,K	65/350	1300	0.20	1000	Blue	Gray	Black
HEC1008-82N□-T	82/50	G,J,K	60/350	1000	0.22	1000	Gray	Red	Black
HEC1008-R10□-T	100/25	G,J,K	60/350	1000	0.56	650	Brown	Black	Brown
HEC1008-R12□-T	120/25	G,J,K	60/350	950	0.63	650	Brown	Red	Brown
HEC1008-R15□-T	150/25	G,J,K	45/100	850	0.70	580	Brown	Green	Brown
HEC1008-R18□-T	180/25	G,J,K	45/100	750	0.77	620	Brown	Gray	Brown
HEC1008-R22□-T	220/25	G,J,K	45/100	700	0.84	500	Red	Red	Brown
HEC1008-R27□-T	270/25	G,J,K	45/100	600	0.91	500	Red	Violet	Brown
HEC1008-R33□-T	330/25	G,J,K	45/100	570	1.05	450	Orange	Orange	Brown
HEC1008-R39□-T	390/25	G,J,K	45/100	500	1.12	470	Orange	White	Brown
HEC1008-R47□-T	470/25	G,J,K	45/100	450	1.19	470	Yellow	Violet	Brown
HEC1008-R56□-T	560/25	G,J,K	45/100	415	1.33	400	Green	Blue	Brown
HEC1008-R62□-T	620/25	G,J,K	45/100	375	1.40	300	Blue	Red	Brown
HEC1008-R68□-T	680/25	G,J,K	45/100	375	1.47	400	Blue	Gray	Brown
HEC1008-R75□-T	750/25	G,J,K	45/100	360	1.54	360	Violet	Green	Brown
HEC1008-R82□-T	820/25	G,J,K	45/100	350	1.61	400	Gray	Red	Brown
HEC1008-R91□-T	910/25	G,J,K	35/50	320	1.68	380	White	Brown	Brown
HEC1008-1R0□-T	1000/25	G,J,K	35/50	290	1.75	400	Brown	Black	Red
HEC1008-1R2□-T	1200/7.9	G,J,K	35/50	250	2.00	310	Brown	Red	Red
HEC1008-1R5□-T	1500/7.9	G,J,K	28/50	200	2.30	330	Brown	Green	Red
HEC1008-1R8□-T	1800/7.9	G,J,K	28/50	160	2.60	300	Brown	Gray	Red
HEC1008-2R2□-T	2200/7.9	G,J,K	28/50	160	2.80	280	Red	Red	Red
HEC1008-2R7□-T	2700/7.9	G,J,K	22/25	135	3.20	290	Red	Violet	Red
HEC1008-3R3□-T	3300/7.9	G,J,K	22/25	110	3.40	290	Orange	Orange	Red
HEC1008-3R9□-T	3900/7.9	G,J,K	20/25	100	3.60	260	Orange	White	Red
HEC1008-4R7□-T	4700/7.9	G,J,K	20/25	90	4.00	260	Yellow	Violet	Red
HEC1008-5R6□-T	5600/7.9	G,J,K	18/7.9	40	4.20	240	Green	Blue	Red
HEC1008-6R8□-T	6800/7.9	G,J,K	18/7.9	40	4.90	200	Blue	Gray	Red
HEC1008-8R2□-T	8200/7.9	G,J,K	18/7.9	25	6.00	170	Gray	Red	Red
HEC1008-100□-T	10000/2.5	G,J,K	18/7.9	25	8.00	150	Brown	Black	Orange

- When ordering, please specify tolerance and packaging codes. Ex: HEC1008-R12J-T  
Tolerance : G =  $\pm 2\%$  , J =  $\pm 5\%$  , K =  $\pm 10\%$   
Packaging : Clear tape and reel { standard } . \*
- L , Q , SRF : Agilent/HP E4991A+ Agilent/HP16197A  
(The electrical specification test by the smallest gap position) or HP16193A
- 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.



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

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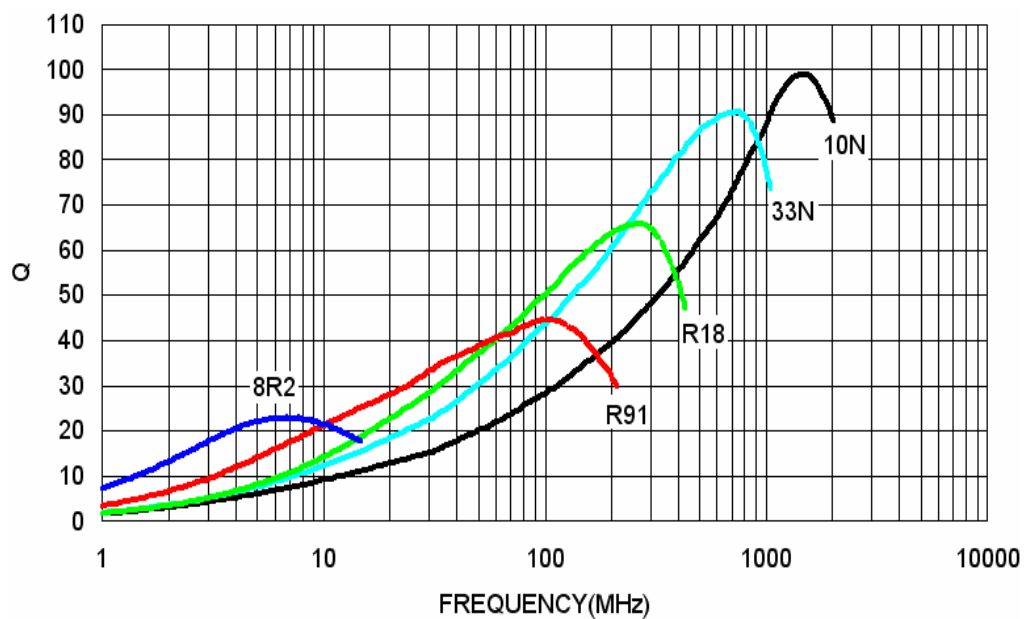
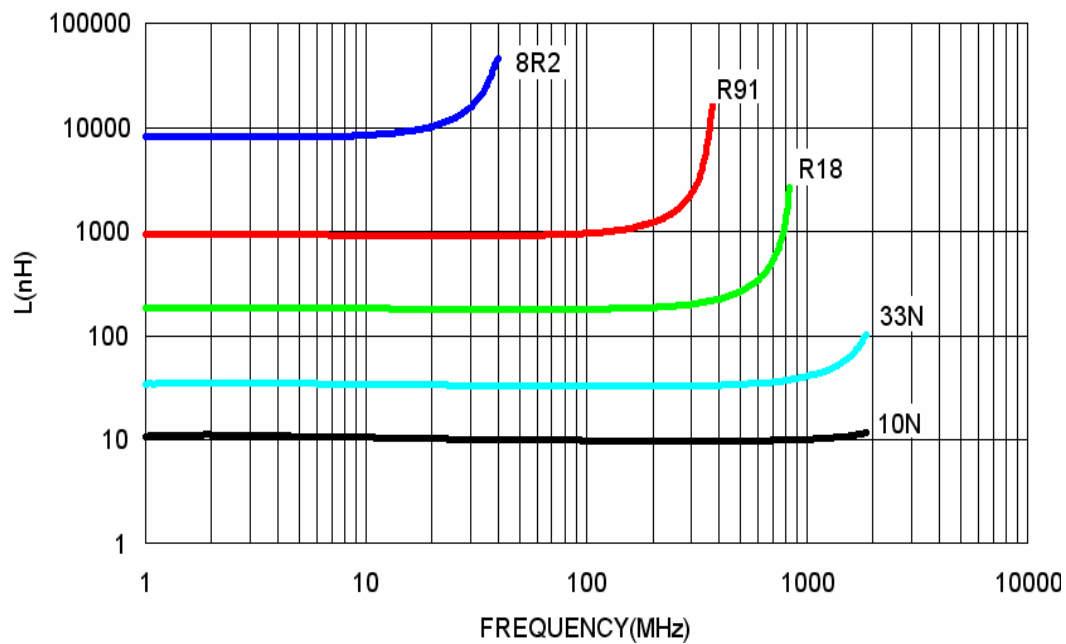
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#### ELECTRICAL CHARACTERISTICS

Characteristics(L,Q vs. Frequency)



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