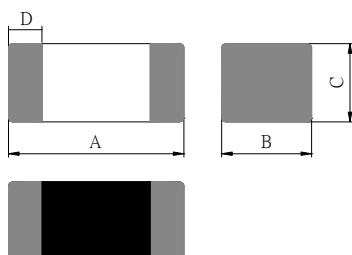


1. Features

1. Monolithic inorganic material construction.
2. Closed magnetic circuit avoids crosstalk.
3. S.M.T. type.
4. Suitable for reflow soldering.
5. Shapes and dimensions follow E.I.A. spec.
6. Available in various sizes.
7. Excellent solder ability and heat resistance.
8. High SRF up to 6GHz and above.
9. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
10. Operating Temperature:-55~+105°C (Including self-temperature rise)



2. Dimensions



Chip Size	
A	1.60±0.15
B	0.80±0.15
C	0.80±0.15
D	0.30±0.20

Units: mm

3. Part Numbering



A: Series
 B: Dimension L x W
 C: Material Lead Free Material
 D: Inductance 1N5=1.5 nH
 E: Inductance Tolerance S=±0.3nH, J=±5%, K=±10%
 F: MARKING

4. Specification

Tai-Tech Part Number	Thickness (mm)	Inductance		Q		Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
		(nH)	Test Frequency (MHz)	Normal Value	min.			
HCl1608F-1N0S-M	0.80±0.15	1.0	100	14	8	300	0.05	10000
HCl1608F-1N2S-M	0.80±0.15	1.2	100	14	8	300	0.05	10000
HCl1608F-1N5S-M	0.80±0.15	1.5	100	14	8	300	0.10	6000
HCl1608F-1N8S-M	0.80±0.15	1.8	100	10	8	300	0.10	6000
HCl1608F-2N2S-M	0.80±0.15	2.2	100	12	8	300	0.10	6000
HCl1608F-2N7S-M	0.80±0.15	2.7	100	13	10	300	0.10	6000
HCl1608F-3N3S-M	0.80±0.15	3.3	100	14	10	300	0.12	6000
HCl1608F-3N9S-M	0.80±0.15	3.9	100	13	10	300	0.14	6000

TAI-TECH

Tai-Tech Part Number	Thickness (mm)	Inductance		Q		Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
		(nH)	Test Frequency (MHz)	Normal Value	min.			
HCI1608F-4N7S-M	0.80±0.15	4.7	100	13	10	300	0.16	4000
HCI1608F-5N6S-M	0.80±0.15	5.6	100	14	10	300	0.18	4000
HCI1608F-6N8□-M	0.80±0.15	6.8	100	14	10	300	0.22	4000
HCI1608F-8N2□-M	0.80±0.15	8.2	100	14	10	300	0.24	3500
HCI1608F-10N□-M	0.80±0.15	10	100	14	12	300	0.26	3400
HCI1608F-12N□-M	0.80±0.15	12	100	14	12	300	0.28	2600
HCI1608F-15N□-M	0.80±0.15	15	100	15	12	300	0.32	2300
HCI1608F-18N□-M	0.80±0.15	18	100	15	12	300	0.35	2000
HCI1608F-22N□-M	0.80±0.15	22	100	16	12	300	0.40	1600
HCI1608F-27N□-M	0.80±0.15	27	100	16	12	300	0.45	1400
HCI1608F-33N□-M	0.80±0.15	33	100	17	12	300	0.55	1200
HCI1608F-39N□-M	0.80±0.15	39	100	18	12	300	0.60	1100
HCI1608F-47N□-M	0.80±0.15	47	100	17	12	300	0.70	900
HCI1608F-56N□-M	0.80±0.15	56	100	17	12	300	0.75	900
HCI1608F-68N□-M	0.80±0.15	68	100	18	12	300	0.85	700
HCI1608F-82N□-M	0.80±0.15	82	100	18	12	300	0.95	600
HCI1608F-R10□-M	0.80±0.15	100	100	18	12	300	1.00	600
HCI1608F-R12□-M	0.80±0.15	120	50	16	8	300	1.20	500
HCI1608F-R15□-M	0.80±0.15	150	50	13	8	300	1.20	500
HCI1608F-R18□-M	0.80±0.15	180	50	13	8	300	1.30	400

NOTE: □:TOLERANCE J: +/-5% K : +/-10%

Impedance, Inductance, Q v.s. Frequency Characteristics(Typical)

