

MULTILAYER HIGH FREQUENCY CHIP INDUCTORS / HCL TYPE

FEATURES

- ◆ Cost Effective
- ◆ Small size of 0603/ 1005/1608/2012 is suitable for small portable equipment.
- ◆ Supports operating frequency up to 6GHz with nominal inductance values from 1.0nH to 680nH.
- ◆ Excellent Q factor and SRF characteristics.

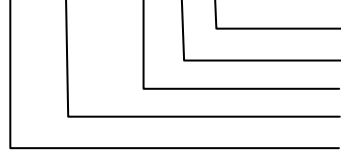


APPLICATIONS

- ◆ Information technology equipments, computers, telecommunications, radar detectors, automotive electronics, cellular phones, pagers, PDAs, keyless remote systems.
- ◆ Use in L-C filter configurations

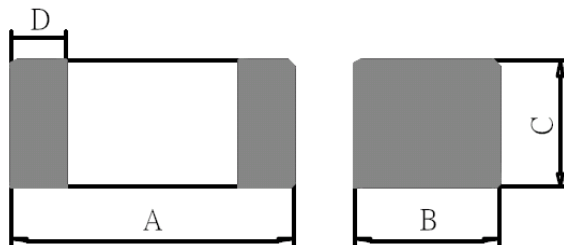
ORDERING CODE (HIGH FREQUENCY)

HCL 1608 -1N5 □- N



Note: lead-free
Tolerance (S:±0.3nH, J:±5%, K:±10%)
Inductance
Dimension (AxB)
Product Symbol

DIMENSIONS (UNIT: mm)



A	1.6 ± 0.15	m/m
B	0.8 ± 0.15	m/m
C	0.8 ± 0.15	m/m
D	0.3 ± 0.20	m/m

CORE MASTER ENTERPRISE CO., LTD.



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ELECTRICAL CHARACTERISTICS FOR HCL1608

Part No.	Inductance (nH)	Q Min	Test Freq. (MHz)	Self Resonant Freq. (GHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
HCL 1608-1N0 □-N	1.0	8	100	10	0.05	300
HCL 1608-1N2 □-N	1.2	8	100	10	0.06	300
HCL 1608-1N5 □-N	1.5	8	100	6	0.07	300
HCL 1608-1N8 □-N	1.8	8	100	6	0.08	300
HCL 1608-2N2 □-N	2.2	8	100	6	0.09	300
HCL 1608-2N7 □-N	2.7	10	100	6	0.10	300
HCL 1608-3N3 □-N	3.3	10	100	6	0.12	300
HCL 1608-3N9 □-N	3.9	10	100	6	0.14	300
HCL 1608-4N7 □-N	4.7	10	100	4	0.16	300
HCL 1608-5N6 □-N	5.6	10	100	4	0.18	300
HCL 1608-6N8 □-N	6.8	10	100	4	0.22	300
HCL 1608-8N2 □-N	8.2	10	100	3.50	0.24	300
HCL 1608-10N □-N	10	12	100	3.40	0.26	300
HCL 1608-12N □-N	12	12	100	2.60	0.28	300
HCL 1608-15N □-N	15	12	100	2.30	0.32	300
HCL 1608-18N □-N	18	12	100	2.00	0.35	300
HCL 1608-22N □-N	22	12	100	1.60	0.40	300
HCL 1608-27N □-N	27	12	100	1.40	0.45	300
HCL 1608-33N □-N	33	12	100	1.20	0.55	300
HCL 1608-39N □-N	39	12	100	1.10	0.60	300
HCL 1608-47N □-N	47	12	100	0.90	0.70	300
HCL 1608-56N □-N	56	12	100	0.90	0.75	300
HCL 1608-68N □-N	68	12	100	0.70	0.85	300
HCL 1608-82N □-N	82	12	100	0.60	0.95	300
HCL 1608-R10 □-N	100	12	100	0.60	1.00	300
HCL 1608-R12 □-N	120	8	50	0.50	1.10	300
HCL 1608-R15 □-N	150	8	50	0.50	1.20	300
HCL 1608-R18 □-N	180	8	50	0.40	1.30	300
HCL 1608-R22 □-N	220	8	50	0.40	1.50	300
HCL 1608-R27 □-N	270	8	50	0.40	1.90	300
HCL 1608-R33 □-N	330	8	50	0.35	2.10	300
HCL 1608-R39 □-N	390	8	50	0.35	2.30	150
HCL 1608-R47 □-N	470	8	50	0.30	2.60	150

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