

MULTILAYER HIGH FREQUENCY CHIP INDUCTORS / HCL TYPE

FEATURES

- ◆ Cost Effective
- ◆ Small size of 1005/1608 is suitable for small portable equipment.
- ◆ Supports operating frequency up to 6GHz with nominal inductance values from 1.0nH to 220nH.
- ◆ Excellent Q factor and SRF characteristics.

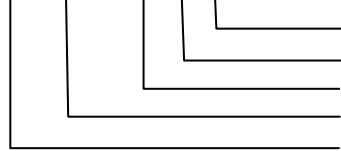


APPLICATIONS

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

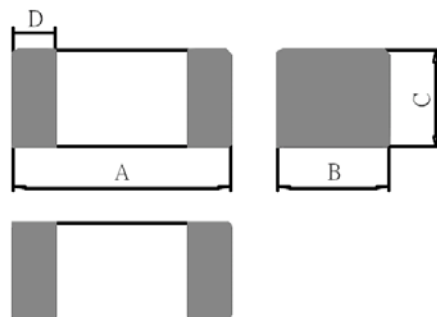
ORDERING CODE (HIGH FREQUENCY)

HCL 2012 -1N5 □- N



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

DIMENSIONS (UNIT: mm)



A	2.00 ± 0.2	m/m
B	1.25 ± 0.2	m/m
C	0.85 ± 0.2	m/m
D	0.50 ± 0.3	m/m



CORE MASTER ENTERPRISE CO., LTD.

<http://www.coremaster.com.tw>

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ELECTRICAL CHARACTERISTICS FOR HCL2012

Part No.	Inductance (nH)	Q Min	Test Freq. (MHz)	Self Resonant Freq. (MHz) MIN.	DC Resistance (Ω) Max	Rated Current (mA) Max
HCL 2012-1N5 □-N	1.5	10	100	4000	0.10	300
HCL 2012-1N8 □-N	1.8	10	100	4000	0.10	300
HCL 2012-2N2 □-N	2.2	10	100	4000	0.10	300
HCL 2012-2N7 □-N	2.7	12	100	4000	0.10	300
HCL 2012-3N3 □-N	3.3	12	100	4000	0.13	300
HCL 2012-3N9 □-N	3.9	12	100	4000	0.15	300
HCL 2012-4N7 □-N	4.7	12	100	3500	0.20	300
HCL 2012-5N6 □-N	5.6	12	100	3200	0.23	300
HCL 2012-6N8 □-N	6.8	15	100	2800	0.25	300
HCL 2012-8N2 □-N	8.2	15	100	2400	0.28	300
HCL 2012-10N □-N	10	15	100	2100	0.30	300
HCL 2012-12N □-N	12	15	100	1900	0.35	300
HCL 2012-15N □-N	15	15	100	1600	0.40	300
HCL 2012-18N □-N	18	15	100	1500	0.45	300
HCL 2012-22N □-N	22	18	100	1400	0.50	300
HCL 2012-27N □-N	27	18	100	1300	0.55	300
HCL 2012-33N □-N	33	18	100	1200	0.60	300
HCL 2012-39N □-N	39	18	100	1000	0.65	300
HCL 2012-47N □-N	47	18	100	900	0.70	300
HCL 2012-56N □-N	56	18	100	800	0.75	300
HCL 2012-68N □-N	68	18	100	700	0.80	300
HCL 2012-82N □-N	82	18	100	600	0.90	300
HCL 2012-R10 □-N	100	18	100	600	0.90	300



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