

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.

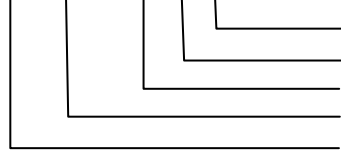


APPLICATIONS

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

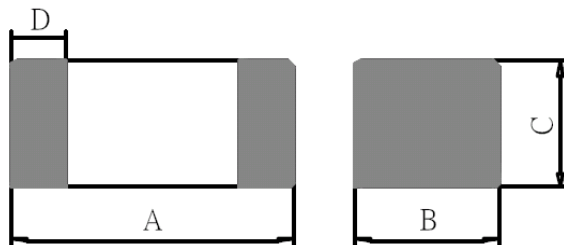
ORDERING CODE (HIGH FREQUENCY)

HCL 1005 -1N5 □- N



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

DIMENSIONS (UNIT: mm)



A	1.00 ± 0.1	m/m
B	0.50 ± 0.1	m/m
C	0.50 ± 0.1	m/m
D	0.25 ± 0.1	m/m

CORE MASTER ENTERPRISE CO., LTD.



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ELECTRICAL CHARACTERISTICS FOR HCL1005

Part No.	Inductance (nH)	Q Min	Test Freq. (MHz)	Self Resonant Freq. (GHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
HCL 1005-1N0 □-N	1.0	8	100	8.0	0.10	300
HCL 1005-1N2 □-N	1.2	8	100	8.0	0.11	300
HCL 1005-1N5 □-N	1.5	8	100	8.0	0.12	300
HCL 1005-1N8 □-N	1.8	8	100	6.0	0.13	300
HCL 1005-2N0 □-N	2.0	8	100	6.0	0.14	300
HCL 1005-2N2 □-N	2.2	8	100	6.0	0.15	300
HCL 1005-2N4 □-N	2.4	8	100	6.0	0.16	300
HCL 1005-2N7 □-N	2.7	8	100	6.0	0.17	300
HCL 1005-3N0 □-N	3.0	8	100	6.0	0.18	300
HCL 1005-3N3 □-N	3.3	8	100	6.0	0.19	300
HCL 1005-3N6 □-N	3.6	8	100	6.0	0.20	300
HCL 1005-3N9 □-N	3.9	8	100	6.0	0.21	300
HCL 1005-4N3 □-N	4.3	8	100	4.0	0.22	300
HCL 1005-4N7 □-N	4.7	8	100	6.0	0.23	300
HCL 1005-5N1 □-N	5.1	8	100	6.0	0.24	300
HCL 1005-5N6 □-N	5.6	8	100	5.3	0.26	300
HCL 1005-6N2 □-N	6.2	8	100	4.3	0.27	300
HCL 1005-6N8 □-N	6.8	8	100	4.2	0.29	300
HCL 1005-7N5 □-N	7.5	8	100	4.2	0.31	300
HCL 1005-8N2 □-N	8.2	8	100	3.6	0.33	300
HCL 1005-9N1 □-N	9.1	8	100	3.4	0.34	300
HCL 1005-10N □-N	10	8	100	3.2	0.35	300
HCL 1005-12N □-N	12	8	100	2.8	0.41	300
HCL 1005-15N □-N	15	8	100	2.3	0.46	300
HCL 1005-18N □-N	18	8	100	2.1	0.51	300
HCL 1005-22N □-N	22	8	100	1.8	0.58	300
HCL 1005-27N □-N	27	8	100	1.6	0.67	300
HCL 1005-33N □-N	33	8	100	1.5	0.82	200
HCL 1005-39N □-N	39	8	100	1.2	1.06	200
HCL 1005-47N □-N	47	8	100	1.0	1.15	200
HCL 1005-56N □-N	56	8	100	0.8	1.20	200
HCL 1005-68N □-N	68	8	100	0.8	1.25	180
HCL 1005-82N □-N	82	8	100	0.6	1.60	150
HCL 1005-R10 □-N	100	8	100	0.6	1.90	150
HCL 1005- R12 □-N	120	8	100	0.6	2.20	150
HCL 1005- R15 □-N	150	8	100	0.5	2.99	140
HCL 1005- R18 □-N	180	8	100	0.5	3.38	140
HCL 1005- R22 □-N	220	8	100	0.5	3.77	120
HCL 1005- R27 □-N	270	8	100	0.4	4.90	110

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