

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.

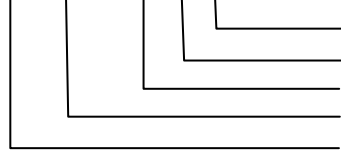


APPLICATIONS

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

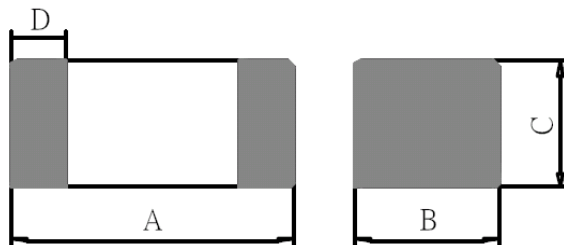
ORDERING CODE (HIGH FREQUENCY)

HCL 0603 -1N5 □- N



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

DIMENSIONS (UNIT: mm)



A	0.60 ± 0.03	m/m
B	0.30 ± 0.03	m/m
C	0.30 ± 0.03	m/m
D	0.10 ~ 0.20	m/m

CORE MASTER ENTERPRISE CO., LTD.



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ELECTRICAL CHARACTERISTICS FOR HCL0603

Part No.	Inductance (nH)	Q Min	Test Freq. (MHz)	Self Resonant Freq. (GHz) Min	DC Resistance (Ω) Max	Rated Current (mA) Max
HCL 0603-1N0 □-N	1.0	4	100	10	0.11	470
HCL 0603-1N2 □-N	1.2	4	100	10	0.12	450
HCL 0603-1N5 □-N	1.5	4	100	10	0.13	430
HCL 0603-1N8 □-N	1.8	4	100	10	0.16	390
HCL 0603-2N0 □-N	2.0	4	100	8.8	0.17	380
HCL 0603-2N1 □-N	2.1	4	100	8.8	0.18	370
HCL 0603-2N2 □-N	2.2	4	100	8.8	0.19	360
HCL 0603-2N4 □-N	2.4	4	100	8.3	0.20	350
HCL 0603-2N7 □-N	2.7	4	100	7.7	0.21	340
HCL 0603-3N0 □-N	3.0	4	100	7.2	0.22	330
HCL 0603-3N3 □-N	3.3	4	100	6.7	0.23	320
HCL 0603-3N6 □-N	3.6	4	100	6.4	0.25	310
HCL 0603-3N9 □-N	3.9	4	100	6.0	0.27	300
HCL 0603-4N3 □-N	4.3	4	100	5.7	0.30	290
HCL 0603-4N7 □-N	4.7	4	100	5.3	0.31	280
HCL 0603-5N1 □-N	5.1	4	100	5.0	0.33	270
HCL 0603-5N6 □-N	5.6	4	100	4.6	0.36	260
HCL 0603-6N2 □-N	6.2	4	100	4.2	0.38	250
HCL 0603-6N8 □-N	6.8	4	100	3.9	0.39	245
HCL 0603-7N5 □-N	7.5	4	100	3.6	0.41	240
HCL 0603-8N2 □-N	8.2	4	100	3.4	0.45	230
HCL 0603-9N1 □-N	9.1	4	100	3.2	0.48	220
HCL 0603-10N □-N	10	4	100	2.9	0.51	210
HCL 0603-12N □-N	12	4	100	2.7	0.68	190
HCL 0603-15N □-N	15	4	100	2.3	0.71	180
HCL 0603-18N □-N	18	4	100	2.1	0.81	170
HCL 0603-22N □-N	22	4	100	1.8	1.00	150
HCL 0603-27N □-N	27	4	100	1.8	1.35	120
HCL 0603-33N □-N	33	4	100	1.7	1.47	110

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