



### Features

- Open Magnetic circuit construction
- Compact and thin
- Mn-Zn material core
- Available in various sizes

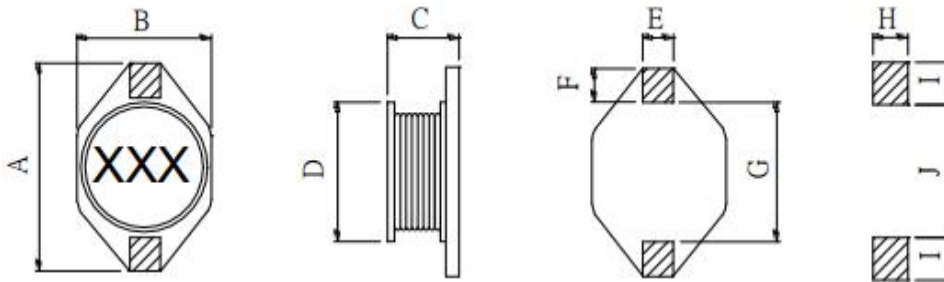
### Application

- Notebook, VGA card, DC/DC converter, PDA

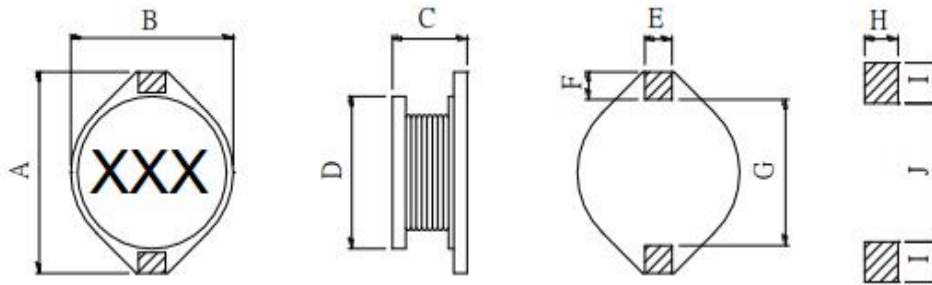
### Tolerance

- ( K 10%, L 15%, M 20%)

### Configurations & Dimensions



HC0802/0804/0810



HC1206

### Dimensions

### Chip Size

### Units:mm

TYPE	A	B	C	D	E	F	G	H	I	J
HC0802	13.3max	9.4max	3.0max	8.38	2.5	2.5	7.62	2.79	2.92	7.37
HC0804	13.3max	9.4max	5.4max	8.38	2.5	2.5	7.62	2.79	2.92	7.37
HC0810	13.3max	9.4max	11.43max	8.38	2.5	2.5	7.62	2.79	2.92	7.37
HC1206	18.54max	15.5max	7.11max	12.7	2.54	2.54	12.70	2.79	2.92	12.45

Design as Customer's Requested Specifications.



## Specifications HC0802

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (KHz)	DCR (Ω) max	Isat (A) max	Irms (A) max
HC0802-100M	10	20	0.1V/100	0.090	2.40	2.00
HC0802-150M	15	20	0.1V/100	0.120	2.00	1.50
HC0802-220M	22	20	0.1V/100	0.19	1.60	1.30
HC0802-330M	33	20	0.1V/100	0.25	1.40	1.10
HC0802-470M	47	20	0.1V/100	0.32	1.00	0.80
HC0802-560M	56	20	0.1V/100	0.30	0.95	0.75
HC0802-680M	68	20	0.1V/100	0.55	0.90	0.70
HC0802-101M	100	20	0.1V/100	0.70	0.70	0.60
HC0802-151M	150	20	0.1V/100	1.00	0.60	0.50
HC0802-221M	220	20	0.1V/100	1.60	0.50	0.40
HC0802-331M	330	20	0.1V/100	2.20	0.40	0.30
HC0802-471M	470	20	0.1V/100	3.30	0.30	0.20
HC0802-681M	680	20	0.1V/100	4.40	0.20	0.10
HC0802-102M	1000	20	0.1V/100	7.00	0.10	0.05

**Note:** Isat: Based on inductance change ( $\Delta L/L_0 \leq 30\%$ ) @ ambient temp. 25°C



## Specifications HC0804

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (KHz)	DCR (Ω) max	Isat (A) max	Irms (A) max
HC0804-1R0M	1.0	20	0.1V/100	0.009	9.00	6.80
HC0804-1R5M	1.5	20	0.1V/100	0.010	8.00	6.40
HC0804-2R2M	2.2	20	0.1V/100	0.012	7.00	6.10
HC0804-3R3M	3.3	20	0.1V/100	0.015	6.40	5.40
HC0804-4R7M	4.7	20	0.1V/100	0.018	5.40	4.80
HC0804-5R6M	5.6	20	0.1V/100	0.027	4.80	4.60
HC0804-6R8M	6.8	20	0.1V/100	0.027	4.60	4.40
HC0804-100M	10	20	0.1V/100	0.038	3.80	3.90
HC0804-150M	15	20	0.1V/100	0.049	3.00	3.10
HC0804-220M	22	20	0.1V/100	0.085	2.60	2.70
HC0804-270M	27	20	0.1V/100	0.098	2.30	2.40
HC0804-330M	33	20	0.1V/100	0.100	2.00	2.10
HC0804-470M	47	20	0.1V/100	0.140	1.60	1.80
HC0804-560M	56	20	0.1V/100	0.162	1.50	1.70
HC0804-680M	68	20	0.1V/100	0.200	1.40	1.50
HC0804-101M	100	20	0.1V/100	0.280	1.20	1.30
HC0804-151M	150	20	0.1V/100	0.400	1.00	1.00
HC0804-221M	220	20	0.1V/100	0.610	0.80	0.80
HC0804-331M	330	20	0.1V/100	1.020	0.60	0.60
HC0804-471M	470	20	0.1V/100	1.270	0.50	0.50
HC0804-681M	680	20	0.1V/100	2.020	0.40	0.40
HC0804-102M	1000	20	0.1V/100	3.000	0.30	0.30

**Note:** Isat:Based on inductance change ( $\Delta L/L_0 \leq 30\%$ )@ambient temp. 25°C



## Speciflcations HC0810

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (KHz)	DCR (Ω) max	Isat (A) max	Irms (A) max
HC0810-1R0M	1.0	20	0.1V/100	0.010	11.60	6.80
HC0810-1R5M	1.5	20	0.1V/100	0.010	11.00	6.60
HC0810-1R7M	1.7	20	0.1V/100	0.011	11.00	6.60
HC0810-2R2M	2.2	20	0.1V/100	0.013	10.50	6.10
HC0810-2R7M	2.7	20	0.1V/100	0.014	10.00	5.60
HC0810-3R3M	3.3	20	0.1V/100	0.016	9.50	4.50
HC0810-4R7M	4.7	20	0.1V/100	0.023	10.00	4.00
HC0810-5R6M	5.6	20	0.1V/100	0.025	9.00	4.00
HC0810-6R8M	6.8	20	0.1V/100	0.028	7.90	4.00
HC0810-100M	10	20	0.1V/100	0.033	8.00	3.50
HC0810-150M	15	20	0.1V/100	0.042	7.00	3.50
HC0810-220M	22	20	0.1V/100	0.054	5.50	3.00
HC0810-330M	33	20	0.1V/100	0.080	4.00	2.50
HC0810-470M	47	20	0.1V/100	0.100	3.80	2.00
HC0810-680M	68	20	0.1V/100	0.170	3.00	1.60
HC0810-101M	100	20	0.1V/100	0.220	2.50	1.20
HC0810-151M	150	20	0.1V/100	0.340	2.00	0.90
HC0810-221M	220	20	0.1V/100	0.440	1.60	0.70
HC0810-331M	330	20	0.1V/100	0.700	1.20	0.60
HC0810-471M	470	20	0.1V/100	0.950	1.00	0.30
HC0810-681M	680	20	0.1V/100	1.200	1.00	0.20
HC0810-102M	1000	20	0.1V/100	2.000	0.80	0.10

**Note:** Isat:Based on inductance change ( $\Delta L/L_0 \leq 30\%$ )@ambient temp. 25°C



## Speciflcations HC1206

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (KHz)	DCR (Ω) max	Isat (A) max	Irms (A) max
HC1206-1R0M	1.0	20	0.1V/100	0.009	20.00	8.60
HC1206-1R5M	1.5	20	0.1V/100	0.010	19.00	8.00
HC1206-2R2M	2.2	20	0.1V/100	0.014	16.00	7.10
HC1206-3R3M	3.3	20	0.1V/100	0.018	14.00	6.20
HC1206-4R7M	4.7	20	0.1V/100	0.019	13.00	5.80
HC1206-5R6M	5.6	20	0.1V/100	0.020	12.00	5.30
HC1206-100M	10	20	0.1V/100	0.031	10.00	4.30
HC1206-120M	12	20	0.1V/100	0.032	9.00	4.00
HC1206-150M	15	20	0.1V/100	0.036	8.00	4.00
HC1206-220M	22	20	0.1V/100	0.047	7.00	3.50
HC1206-330M	33	20	0.1V/100	0.066	5.50	3.00
HC1206-470M	47	20	0.1V/100	0.09	4.50	2.60
HC1206-560M	56	20	0.1V/100	0.12	4.00	2.40
HC1206-680M	68	20	0.1V/100	0.13	3.50	2.30
HC1206-820M	82	20	0.1V/100	0.20	3.20	2.00
HC1206-101M	100	20	0.1V/100	0.19	3.00	1.80
HC1206-151M	150	20	0.1V/100	0.25	2.60	1.50
HC1206-221M	220	20	0.1V/100	0.38	2.40	1.20
HC1206-331M	330	20	0.1V/100	0.56	1.90	1.00
HC1206-471M	470	20	0.1V/100	0.85	1.40	0.82
HC1206-681M	680	20	0.1V/100	1.10	1.20	0.72
HC1206-821M	820	20	0.1V/100	1.50	1.10	0.68
HC1206-102M	1000	20	0.1V/100	1.80	1.00	0.56

**Note:** Isat:Based on inductance change ( $\Delta L/L_0 \leq 30\%$ )@ambient temp. 25°C 1.00