



Features

- Magnetically shielded construction
- Compact and thin
- Large Current and Low DCR

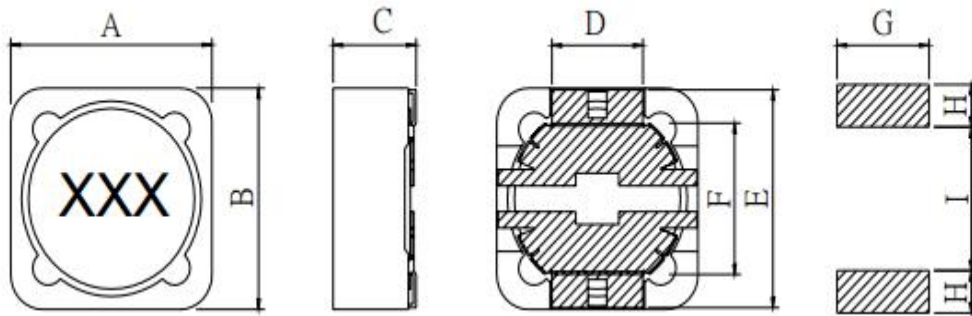
Application

- VTR, OA equipment, LCD television set, Notebook, portable communication equipments, DC/DC converters, etc..

Tolerance

- (K 10%, L 15%, M 20% ,N 30%)

Configurations & Dimensions



Dimensions

Chip Size

Units:mm

TYPE	A	B	C	D±0.1	E±0.1	F±0.1	G	H	I
HC124R	12.5±0.3	12.5±0.2	4.6 max	4.9	12	7.9	5.4	2.6	7.4
HC125R	12.5±0.3	12.5±0.2	6.1 max	4.9	12	7.9	5.4	2.6	7.4
HC127R	12.5±0.3	12.5±0.2	7.7 max	4.9	12	7.9	5.4	2.6	7.4
HC129R	12.5±0.3	12.5±0.2	10.0 max	4.9	12	7.9	5.4	2.6	7.4

Design as Customer's Requested Specifications.



Speciflcations HC124R

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (KHz)	DCR (Ω) max	Isat (A) max
HC124R-2R2M	2.2	20	0.1V/100	0.080	7.00
HC124R-2R7M	2.7	20	0.1V/100	0.012	6.70
HC124R-3R3M	3.3	20	0.1V/100	0.015	6.50
HC124R-3R5M	3.5	20	0.1V/100	0.015	6.40
HC124R-3R9M	3.9	20	0.1V/100	0.015	6.00
HC124R-4R7M	4.7	20	0.1V/100	0.018	5.60
HC124R-5R6M	5.6	20	0.1V/100	0.018	5.20
HC124R-6R8M	6.8	20	0.1V/100	0.022	4.90
HC124R-7R6M	7.6	20	0.1V/100	0.026	4.70
HC124R-8R2M	8.2	20	0.1V/100	0.026	4.50
HC124R-100M	10	20	0.1V/100	0.028	4.20
HC124R-120M	12	20	0.1V/100	0.038	3.80
HC124R-150M	15	20	0.1V/100	0.050	3.20
HC124R-180M	18	20	0.1V/100	0.057	3.10
HC124R-220M	22	20	0.1V/100	0.066	2.90
HC124R-270M	27	20	0.1V/100	0.080	2.60
HC124R-330M	33	20	0.1V/100	0.097	2.30
HC124R-390M	39	20	0.1V/100	0.132	2.10
HC124R-470M	47	20	0.1V/100	0.150	1.90
HC124R-560M	56	20	0.1V/100	0.180	1.70
HC124R-680M	68	20	0.1V/100	0.220	1.50
HC124R-820M	82	20	0.1V/100	0.260	1.30
HC124R-101M	100	20	0.1V/100	0.308	1.20
HC124R-121M	120	20	0.1V/100	0.380	1.10
HC124R-151M	150	20	0.1V/100	0.530	0.95
HC124R-181M	180	20	0.1V/100	0.620	0.85
HC124R-221M	220	20	0.1V/100	0.700	0.80
HC124R-271M	270	20	0.1V/100	0.875	0.60
HC124R-331M	330	20	0.1V/100	0.990	0.50

Note: Isat:Based on inductance change ($\Delta L/L_0 \leq 35\%$)@ambient temp.25°C



Speciflcations HC125R

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (KHz)	DCR (Ω) max	Isat (A) max
HC125R-1R8N	1.8	30	0.1V/10	0.005	7.50
HC125R-2R2N	2.2	30	0.1V/10	0.007	7.00
HC125R-2R5N	2.5	30	0.1V/10	0.007	6.40
HC125R-2R7N	2.7	30	0.1V/10	0.007	6.40
HC125R-3R1N	3.1	30	0.1V/10	0.007	6.40
HC125R-3R9N	3.9	30	0.1V/10	0.009	5.90
HC125R-4R7M	4.7	20	0.1V/10	0.012	5.30
HC125R-6R1M	5.6	20	0.1V/10	0.013	4.80
HC125R-6R8M	6.8	20	0.1V/10	0.014	4.70
HC125R-7R6M	7.6	20	0.1V/10	0.017	4.50
HC125R-8R2M	8.2	20	0.1V/10	0.020	4.30
HC125R-100M	10	20	0.1V/10	0.025	4.00
HC125R-120M	12	20	0.1V/10	0.027	3.50
HC125R-150M	15	20	0.1V/10	0.030	3.30
HC125R-180M	18	20	0.1V/10	0.034	3.00
HC125R-220M	22	20	0.1V/10	0.036	2.80
HC125R-270M	27	20	0.1V/10	0.051	2.30
HC125R-330M	33	20	0.1V/10	0.057	2.10
HC125R-390M	39	20	0.1V/10	0.068	2.00
HC125R-470M	47	20	0.1V/10	0.075	1.80
HC125R-560M	56	20	0.1V/10	0.11	1.70
HC125R-680M	68	20	0.1V/10	0.12	1.50
HC125R-820M	82	20	0.1V/10	0.14	1.40
HC125R-101M	100	20	0.1V/10	0.16	1.30
HC125R-121M	120	20	0.1V/10	0.20	1.10
HC125R-151M	150	20	0.1V/10	0.23	1.00
HC125R-181M	180	20	0.1V/10	0.29	0.90
HC125R-221M	220	20	0.1V/10	0.45	0.80
HC125R-271M	270	20	0.1V/10	0.50	0.75
HC125R-331M	330	20	0.1V/10	0.59	0.68
HC125R-391M	390	20	0.1V/10	0.69	0.65
HC125R-471M	472	20	0.1V/10	0.77	0.58
HC125R-561M	560	20	0.1V/10	0.86	0.54
HC125R-681M	680	20	0.1V/10	1.20	0.48
HC125R-821M	820	20	0.1V/10	1.34	0.43
HC125R-102M	1000	20	0.1V/10	1.53	0.40

Note: Isat: Based on inductance change ($\Delta L/L_0 \leq 35\%$) @ ambient temp. 25°C



Speciflcations HC127R

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (KHz)	DCR (Ω) max	Isat (A) max
HC127R-1R2N	1.2	30	0.1V/10	0.0070	9.80
HC127R-1R8N	1.8	30	0.1V/10	0.0115	8.00
HC127R-3R3N	3.3	30	0.1V/10	0.0135	7.50
HC127R-4R7N	4.7	30	0.1V/10	0.0158	6.80
HC127R-6R1M	6.1	20	0.1V/10	0.0176	6.60
HC127R-7R6M	7.6	20	0.1V/10	0.0200	5.90
HC127R-100M	10	20	0.1V/10	0.0216	5.40
HC127R-120M	12	20	0.1V/10	0.0243	4.90
HC127R-150M	15	20	0.1V/10	0.0270	4.50
HC127R-180M	18	20	0.1V/10	0.0392	3.90
HC127R-220M	22	20	0.1V/10	0.0432	3.60
HC127R-270M	27	20	0.1V/10	0.0459	3.40
HC127R-330M	33	20	0.1V/10	0.0648	3.00
HC127R-390M	39	20	0.1V/10	0.0729	2.75
HC127R-470M	47	20	0.1V/10	0.0770	2.50
HC127R-560M	56	20	0.1V/10	0.10	2.35
HC127R-680M	68	20	0.1V/10	0.10	2.10
HC127R-820M	82	20	0.1V/10	0.12	1.95
HC127R-101M	100	20	0.1V/10	0.15	1.70
HC127R-121M	120	20	0.1V/10	0.17	1.60
HC127R-151M	150	20	0.1V/10	0.19	1.42
HC127R-181M	180	20	0.1V/10	0.25	1.30
HC127R-221M	220	20	0.1V/10	0.35	1.16
HC127R-271M	270	20	0.1V/10	0.39	1.06
HC127R-331M	330	20	0.1V/10	0.48	0.95
HC127R-391M	390	20	0.1V/10	0.54	0.88
HC127R-471M	472	20	0.1V/10	0.79	0.79
HC127R-561M	560	20	0.1V/10	0.87	0.73
HC127R-681M	680	20	0.1V/10	1.00	0.67
HC127R-821M	820	20	0.1V/10	1.20	0.60
HC127R-102M	1000	20	0.1V/10	1.30	0.55

Note: Isat:Based on inductance change ($\Delta L/L_0 \leq 35\%$)@ambient temp. 25°C

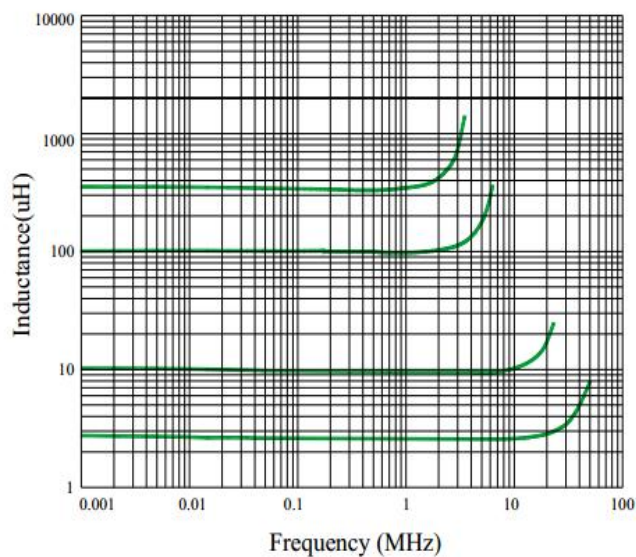


Specifications HC129R

Part Number	Inductance (uH)	Tolerance (%)	Test Frequency (KHz)	DCR (Ω) max	Isat (A) max
HC129R-5R6N	5.6	30	0.1V/10	0.014	6.00
HC129R-100M	10.0	20	0.1V/10	0.025	5.70
HC129R-180M	18	20	0.1V/10	0.060	5.00
HC129R-220M	22	20	0.1V/10	0.068	5.00
HC129R-330M	33	20	0.1V/10	0.080	5.00
HC129R-470M	47	20	0.1V/10	0.080	3.00
HC129R-101M	100	20	0.1V/10	0.180	3.00
HC129R-151M	150	20	0.1V/10	0.180	2.00

Note: Isat: Based on inductance change ($\Delta L/L_0 \leq 35\%$) @ ambient temp. 25°C

Typical L vs Frequency



Typical L vs Current

