

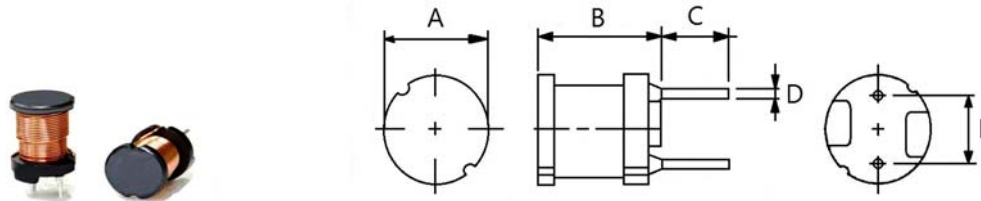
Features

- Low cost, wide range of inductance.
- Small mounting space required.
- Low DCR, large current, best for the power supply line.
- Lead-Free, Halogen-Free and RoHS compliant.

Applications

- Switching power supply, DC-DC converters, TVs, VTRs, OA equipments choke, Home electric appliance, etc..

Shapes and Dimensions



Type	A	B	C	D	E			
RCH114	10.0 max.	14.4 max.	5.0 ± 1.0	0.65 ± 0.1	5.0 ± 0.5			

Electrical Characteristics

Part No.	Inductance (μH)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCH114-6R3M	6.3 ± 20%	796 KHz	0.026	4.30
RCH114-7R5M	7.5 ± 20%	796 KHz	0.029	4.20
RCH114-8R8M	8.8 ± 20%	796 KHz	0.030	4.10
RCH114-100K	10 ± 10%	1 KHz	0.033	4.00
RCH114-120K	12 ± 10%	1 KHz	0.035	3.90
RCH114-150K	15 ± 10%	1 KHz	0.039	3.70
RCH114-180K	18 ± 10%	1 KHz	0.047	3.50
RCH114-220K	22 ± 10%	1 KHz	0.051	3.30
RCH114-270K	27 ± 10%	1 KHz	0.057	3.10
RCH114-330K	33 ± 10%	1 KHz	0.064	2.90
RCH114-390K	39 ± 10%	1 KHz	0.074	2.70
RCH114-470K	47 ± 10%	1 KHz	0.083	2.50
RCH114-560K	56 ± 10%	1 KHz	0.104	2.30
RCH114-680K	68 ± 10%	1 KHz	0.117	2.10
RCH114-820K	82 ± 10%	1 KHz	0.130	1.90
RCH114-101K	100 ± 10%	1 KHz	0.143	1.70
RCH114-121K	120 ± 10%	1 KHz	0.195	1.50
RCH114-151K	150 ± 10%	1 KHz	0.221	1.40
RCH114-181K	180 ± 10%	1 KHz	0.260	1.30
RCH114-221K	220 ± 10%	1 KHz	0.350	1.20
RCH114-271K	270 ± 10%	1 KHz	0.390	1.10
RCH114-331K	330 ± 10%	1 KHz	0.520	1.00
RCH114-391K	390 ± 10%	1 KHz	0.570	0.92
RCH114-471K	470 ± 10%	1 KHz	0.650	0.84
RCH114-561K	560 ± 10%	1 KHz	0.790	0.75
RCH114-681K	680 ± 10%	1 KHz	0.960	0.69
RCH114-821K	820 ± 10%	1 KHz	1.220	0.62

NOTES:

Rated current : The DC current at which the inductance decrease to 90% from its initial value or when Δt=40°C whichever is lower (Ta=20°C)

Electrical Characteristics

Part No.	Inductance (μ H)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCH114-102K	1,000 \pm 10%	1 KHz	1.600	0.52
RCH114-122K	1,200 \pm 10%	1 KHz	2.200	0.46
RCH114-152K	1,500 \pm 10%	1 KHz	2.500	0.41
RCH114-182K	1,800 \pm 10%	1 KHz	2.900	0.36
RCH114-222K	2,200 \pm 10%	1 KHz	3.200	0.32
RCH114-272K	2,700 \pm 10%	1 KHz	3.700	0.29
RCH114-332K	3,300 \pm 10%	1 KHz	5.000	0.27
RCH114-392K	3,900 \pm 10%	1 KHz	5.600	0.25
RCH114-472K	4,700 \pm 10%	1 KHz	7.400	0.23
RCH114-562K	5,600 \pm 10%	1 KHz	8.200	0.21
RCH114-682K	6,800 \pm 10%	1 KHz	11.900	0.19
RCH114-822K	8,200 \pm 10%	1 KHz	14.000	0.17
RCH114-103K	10,000 \pm 10%	1 KHz	16.000	0.16
RCH114-123K	12,000 \pm 10%	1 KHz	21.000	0.15
RCH114-153K	15,000 \pm 10%	1 KHz	24.000	0.14
RCH114-183K	18,000 \pm 10%	1 KHz	27.000	0.13
RCH114-223K	22,000 \pm 10%	1 KHz	34.000	0.12
RCH114-273K	27,000 \pm 10%	1 KHz	39.000	0.11
RCH114-333K	33,000 \pm 10%	1 KHz	51.000	0.10
RCH114-393K	39,000 \pm 10%	1 KHz	58.000	0.09

NOTES:

Rated current : The DC current at which the inductance decrease to 90% from its initial value or when $\Delta t=40^{\circ}\text{C}$ whichever is lower ($T_a=20^{\circ}\text{C}$)