

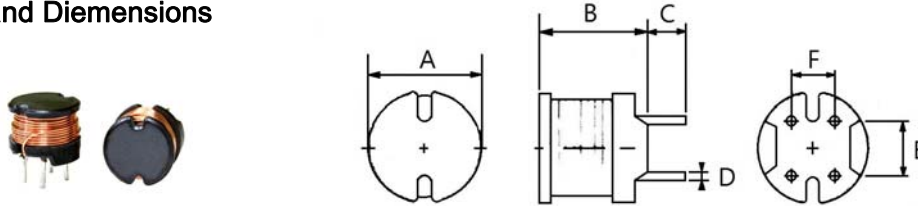
### Features

- 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	F		
RCH106	10.0 max.	6.5 max.	3.5 ± 1.0	0.70 ± 0.1	5.0 ± 0.3	4.0 ± 0.3		

### Electrical Characteristics

Part No.	Inductance (μH)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCH106-1R0N	1.0 ± 30%	7.96 MHz	0.005	9.30
RCH106-1R2N	1.2 ± 30%	7.96 MHz	0.007	8.00
RCH106-1R8M	1.8 ± 20%	7.96 MHz	0.008	7.40
RCH106-2R8M	2.8 ± 20%	7.96 MHz	0.012	6.00
RCH106-3R6M	3.6 ± 20%	7.96 MHz	0.014	5.70
RCH106-5R1M	5.1 ± 20%	7.96 MHz	0.020	4.60
RCH106-6R3M	6.3 ± 20%	7.96 MHz	0.023	4.20
RCH106-7R8M	7.8 ± 20%	7.96 MHz	0.025	3.90
RCH106-100M	10 ± 20%	1 KHz	0.040	3.60
RCH106-120M	12 ± 20%	1 KHz	0.044	3.30
RCH106-150M	15 ± 20%	1 KHz	0.058	2.90
RCH106-180M	18 ± 20%	1 KHz	0.064	2.70
RCH106-220M	22 ± 20%	1 KHz	0.088	2.40
RCH106-270M	27 ± 20%	1 KHz	0.100	2.20
RCH106-330K	33 ± 10%	1 KHz	0.110	2.00
RCH106-390K	39 ± 10%	1 KHz	0.140	1.80
RCH106-470K	47 ± 10%	1 KHz	0.160	1.70
RCH106-560K	56 ± 10%	1 KHz	0.190	1.50
RCH106-680K	68 ± 10%	1 KHz	0.220	1.40
RCH106-820K	82 ± 10%	1 KHz	0.290	1.30
RCH106-101K	100 ± 10%	1 KHz	0.320	1.30
RCH106-121K	120 ± 10%	1 KHz	0.380	1.20
RCH106-151K	150 ± 10%	1 KHz	0.500	1.00
RCH106-181K	180 ± 10%	1 KHz	0.560	0.84
RCH106-221K	220 ± 10%	1 KHz	0.780	0.76
RCH106-271K	270 ± 10%	1 KHz	0.920	0.69
RCH106-331K	330 ± 10%	1 KHz	1.100	0.62
RCH106-391K	390 ± 10%	1 KHz	1.300	0.57
RCH106-471K	470 ± 10%	1 KHz	1.500	0.52
RCH106-561K	560 ± 10%	1 KHz	1.900	0.48
RCH106-681K	680 ± 10%	1 KHz	2.200	0.43
RCH106-821K	820 ± 10%	1 KHz	2.600	0.40
RCH106-102K	1,000 ± 10%	1 KHz	3.200	0.36

#### 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)