

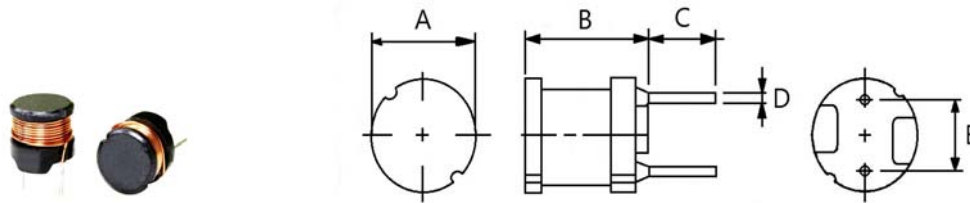
### Features

- 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

- Power supplies, DC-DC converters, TVs, VTRs, computer peripherals, home electric appliance, etc..

### Shapes and Dimensions



Type	A	B	C	D	E			
RCH654	6.0 ± 0.5	5.5 max.	4.0 ± 1.0	0.50 ± 0.05	4.0 ± 0.5			

### Electrical Characteristics

Part No.	Inductance (μH)	Measuring Frequency	D.C.R (Ω) Max.	Rated Current (A) Max.
RCH654-1R0M	1.0 ± 20%	7.96 MHz	0.029	3.00
RCH654-1R5M	1.5 ± 20%	7.96 MHz	0.034	2.85
RCH654-2R0M	2.0 ± 20%	7.96 MHz	0.039	2.48
RCH654-2R5M	2.5 ± 20%	7.96 MHz	0.043	2.21
RCH654-3R3M	3.3 ± 20%	7.96 MHz	0.048	1.98
RCH654-3R9M	3.9 ± 20%	7.96 MHz	0.055	1.83
RCH654-4R7M	4.7 ± 20%	7.96 MHz	0.060	1.74
RCH654-5R6M	5.6 ± 20%	7.96 MHz	0.066	1.53
RCH654-6R2M	6.2 ± 20%	7.96 MHz	0.072	1.44
RCH654-7R2M	7.2 ± 20%	7.96 MHz	0.078	1.35
RCH654-8R2M	8.2 ± 20%	7.96 MHz	0.085	1.26
RCH654-100K	10 ± 10%	7.96 MHz	0.091	1.20
RCH654-120K	12 ± 10%	2.52 MHz	0.100	1.05
RCH654-150K	15 ± 10%	2.52 MHz	0.120	0.98
RCH654-180K	18 ± 10%	2.52 MHz	0.130	0.93
RCH654-220K	22 ± 10%	2.52 MHz	0.180	0.90
RCH654-270K	27 ± 10%	2.52 MHz	0.210	0.81
RCH654-330K	33 ± 10%	2.52 MHz	0.270	0.74
RCH654-390K	39 ± 10%	2.52 MHz	0.290	0.68
RCH654-470K	47 ± 10%	2.52 MHz	0.340	0.62
RCH654-560K	56 ± 10%	2.52 MHz	0.420	0.57
RCH654-680K	68 ± 10%	2.52 MHz	0.480	0.51
RCH654-820K	82 ± 10%	2.52 MHz	0.550	0.47

### 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 ( $\mu$ H)	Measuring Frequency	D.C.R ( $\Omega$ ) Max.	Rated Current (A) Max.
RCH654-101K	100 $\pm$ 10%	1 KHz	0.680	0.42
RCH654-121K	120 $\pm$ 10%	1 KHz	0.770	0.39
RCH654-151K	150 $\pm$ 10%	1 KHz	0.950	0.35
RCH654-181K	180 $\pm$ 10%	1 KHz	1.150	0.32
RCH654-221K	220 $\pm$ 10%	1 KHz	1.300	0.29
RCH654-271K	270 $\pm$ 10%	1 KHz	1.550	0.26
RCH654-331K	330 $\pm$ 10%	1 KHz	2.180	0.23
RCH654-391K	390 $\pm$ 10%	1 KHz	2.470	0.21
RCH654-471K	470 $\pm$ 10%	1 KHz	2.920	0.20
RCH654-561K	560 $\pm$ 10%	1 KHz	3.970	0.18
RCH654-681K	680 $\pm$ 10%	1 KHz	4.570	0.16
RCH654-852K	850 $\pm$ 10%	1 KHz	5.280	0.15
RCH654-102K	1,000 $\pm$ 10%	1 KHz	7.060	0.13

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 ( $T_a=20^{\circ}\text{C}$ )