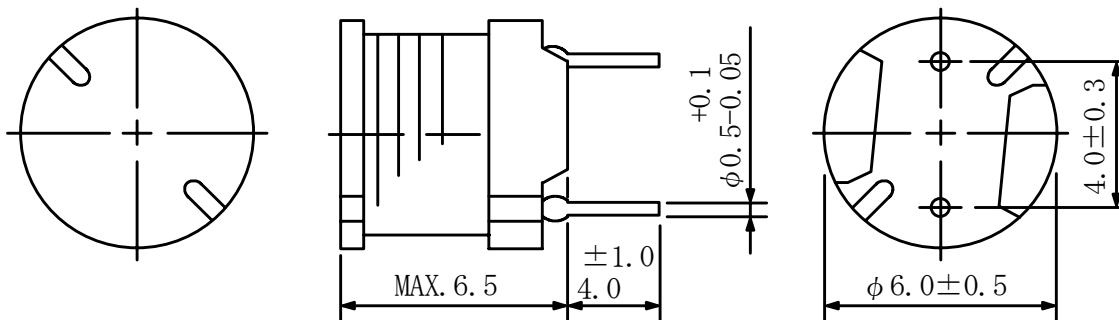


**Type: RCH-664**
**◆ Product Description**

- 6.5mm Max.  $\phi$ , 6.5mm Max. Height.
- Inductance Range: 1.0  $\mu$  H $\sim$ 1.0mH
- Rated current range: 0.19 $\sim$ 4.0A
- In addition to the standard versions of inductors shown here, custom inductors are available to meet your exact requirements.


**◆ Feature**

- Magnetically unshielded construction.
- Ideally Used in Printers, LCD TV, DVD, Printer, Copy Machine, Mainboard of the compounding machines, etc as Power Supplies's Inductors or DC-DC Converter inductors.
- RoHS Compliance

**◆ Dimensions (mm)**


**Type: RCH-664**
**◆ Specification**

| Part Name     | Stamp | Inductance<br>[Within] ( $\mu$ H)<br>※1 | D.C.R.<br>( $\Omega$ ) [Max.]<br>at 20°C | Rated<br>Current<br>(A) ※2 | S.R.F.<br>(MHz)<br><Ref.> |
|---------------|-------|-----------------------------------------|------------------------------------------|----------------------------|---------------------------|
| RCH664NP-1R0M | 1R0M  | 1.0 $\pm$ 20%                           | 18.3m                                    | 4.00                       | 243                       |
| RCH664NP-1R3M | 1R3M  | 1.3 $\pm$ 20%                           | 20.6m                                    | 3.70                       | 207                       |
| RCH664NP-1R7M | 1R7M  | 1.7 $\pm$ 20%                           | 22.8m                                    | 3.52                       | 170                       |
| RCH664NP-2R2M | 2R2M  | 2.2 $\pm$ 20%                           | 25.5m                                    | 3.20                       | 141                       |
| RCH664NP-2R7M | 2R7M  | 2.7 $\pm$ 20%                           | 28.2m                                    | 3.00                       | 110                       |
| RCH664NP-3R3M | 3R3M  | 3.3 $\pm$ 20%                           | 30.8m                                    | 2.83                       | 85.7                      |
| RCH664NP-3R9M | 3R9M  | 3.9 $\pm$ 20%                           | 33.4m                                    | 2.63                       | 65                        |
| RCH664NP-4R7M | 4R7M  | 4.7 $\pm$ 20%                           | 36.4m                                    | 2.43                       | 50.5                      |
| RCH664NP-5R5M | 5R5M  | 5.5 $\pm$ 20%                           | 39.5m                                    | 2.30                       | 44.5                      |
| RCH664NP-6R3M | 6R3M  | 6.3 $\pm$ 20%                           | 43.0m                                    | 2.14                       | 39.3                      |
| RCH664NP-7R2M | 7R2M  | 7.2 $\pm$ 20%                           | 46.2m                                    | 2.09                       | 36.5                      |
| RCH664NP-8R1M | 8R1M  | 8.1 $\pm$ 20%                           | 49.8m                                    | 1.99                       | 35.1                      |
| RCH664NP-9R1M | 9R1M  | 9.1 $\pm$ 20%                           | 53.2m                                    | 1.86                       | 33.7                      |
| RCH664NP-100M | 100M  | 10 $\pm$ 20%                            | 56.6m                                    | 1.75                       | 32.2                      |
| RCH664NP-110L | 110L  | 11 $\pm$ 15%                            | 59.6m                                    | 1.64                       | 30.4                      |
| RCH664NP-120L | 120L  | 12 $\pm$ 15%                            | 63.0m                                    | 1.52                       | 28.2                      |
| RCH664NP-130L | 130L  | 13 $\pm$ 15%                            | 66.7m                                    | 1.48                       | 26.7                      |
| RCH664NP-140L | 140L  | 14 $\pm$ 15%                            | 70.1m                                    | 1.44                       | 25.4                      |
| RCH664NP-150L | 150L  | 15 $\pm$ 15%                            | 74.4m                                    | 1.40                       | 24.2                      |
| RCH664NP-160L | 160L  | 16 $\pm$ 15%                            | 78.8m                                    | 1.33                       | 23.1                      |
| RCH664NP-180L | 180L  | 18 $\pm$ 15%                            | 83.9m                                    | 1.30                       | 22.6                      |
| RCH664NP-220K | 220K  | 22 $\pm$ 10%                            | 0.11                                     | 1.27                       | 18                        |
| RCH664NP-270K | 270K  | 27 $\pm$ 10%                            | 0.14                                     | 1.14                       | 16                        |
| RCH664NP-330K | 330K  | 33 $\pm$ 10%                            | 0.17                                     | 1.03                       | 15                        |
| RCH664NP-390K | 390K  | 39 $\pm$ 10%                            | 0.19                                     | 950m                       | 13                        |
| RCH664NP-470K | 470K  | 47 $\pm$ 10%                            | 0.23                                     | 870m                       | 12                        |
| RCH664NP-560K | 560K  | 56 $\pm$ 10%                            | 0.26                                     | 800m                       | 11                        |
| RCH664NP-680K | 680K  | 68 $\pm$ 10%                            | 0.28                                     | 720m                       | 10                        |
| RCH664NP-820K | 820K  | 82 $\pm$ 10%                            | 0.39                                     | 660m                       | 9.3                       |
| RCH664NP-101K | 101K  | 100 $\pm$ 10%                           | 0.43                                     | 590m                       | 8.4                       |
| RCH664NP-121K | 121K  | 120 $\pm$ 10%                           | 0.54                                     | 540m                       | 7.0                       |
| RCH664NP-151K | 151K  | 150 $\pm$ 10%                           | 0.64                                     | 480m                       | 6.2                       |
| RCH664NP-181K | 181K  | 180 $\pm$ 10%                           | 0.74                                     | 440m                       | 5.7                       |
| RCH664NP-221K | 221K  | 220 $\pm$ 10%                           | 0.96                                     | 400m                       | 5.4                       |
| RCH664NP-271K | 271K  | 270 $\pm$ 10%                           | 1.12                                     | 360m                       | 5.1                       |
| RCH664NP-331K | 331K  | 330 $\pm$ 10%                           | 1.48                                     | 330m                       | 4.3                       |
| RCH664NP-391K | 391K  | 390 $\pm$ 10%                           | 1.66                                     | 300m                       | 4.1                       |
| RCH664NP-471K | 471K  | 470 $\pm$ 10%                           | 1.91                                     | 270m                       | 3.8                       |
| RCH664NP-561K | 561K  | 560 $\pm$ 10%                           | 2.31                                     | 250m                       | 3.0                       |
| RCH664NP-681K | 681K  | 680 $\pm$ 10%                           | 2.67                                     | 230m                       | 2.8                       |
| RCH664NP-821K | 821K  | 820 $\pm$ 10%                           | 3.10                                     | 210m                       | 2.6                       |
| RCH664NP-102K | 102K  | 1000 $\pm$ 10%                          | 4.45                                     | 190m                       | 2.5                       |

※1: Measuring frequency  
1.0  $\mu$  H  $\sim$  10  $\mu$  H at 7.96MHz  
11  $\mu$  H  $\sim$  82  $\mu$  H at 2.52MHz  
100  $\mu$  H  $\sim$  1000  $\mu$  H at 1 kHz

※2: Rated current: The DC current at which the inductance decreases 90% of it's initial value or when  $\Delta t=40^{\circ}\text{C}$ , whichever is lower ( $T_a=20^{\circ}\text{C}$ )