

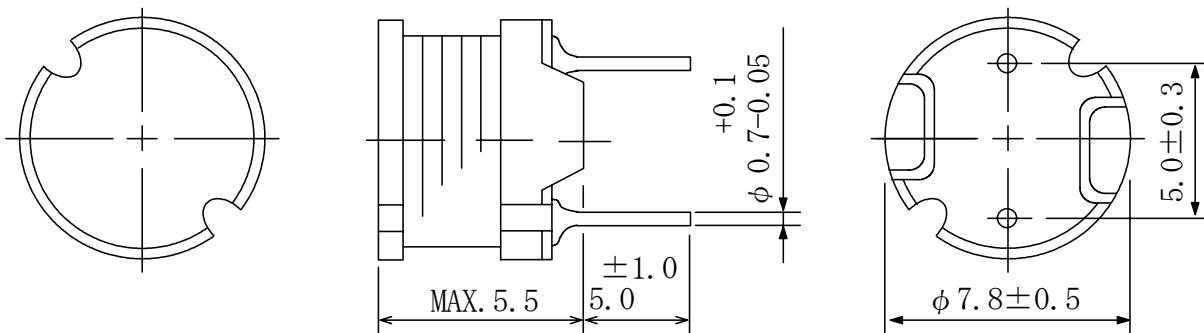
**Type: RCH-855**

**◆ Product Description**

- 8.3mm Max.  $\phi$ , 5.5mm Max. Height.
- Inductance Range:  $2.5 \mu\text{H} \sim 10\text{mH}$
- Rated current range:  $37\text{mA} \sim 3.1\text{A}$
- 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-855**
**◆ Specification**

| Part Name     | Stamp | Inductance<br><Within>( $\mu$ H)<br>※ 1 | D.C.R( $\Omega$ )<br><Max.><br>(at20℃) | Saturation<br>Current<br>(A)※2 | Temperature<br>rise current<br>(A)※3 |
|---------------|-------|-----------------------------------------|----------------------------------------|--------------------------------|--------------------------------------|
| RCH855NP-2R5M | 2R5M  | 2.5 $\pm$ 20%                           | 23m                                    | 4.5                            | 3.1                                  |
| RCH855NP-3R3M | 3R3M  | 3.3 $\pm$ 20%                           | 26m                                    | 4.0                            | 2.7                                  |
| RCH855NP-4R1M | 4R1M  | 4.1 $\pm$ 20%                           | 31m                                    | 3.6                            | 2.5                                  |
| RCH855NP-5R0M | 5R0M  | 5.0 $\pm$ 20%                           | 34m                                    | 3.4                            | 2.4                                  |
| RCH855NP-5R9M | 5R9M  | 5.9 $\pm$ 20%                           | 39m                                    | 3.2                            | 2.2                                  |
| RCH855NP-6R8M | 6R8M  | 6.8 $\pm$ 20%                           | 42m                                    | 2.9                            | 2.1                                  |
| RCH855NP-8R2M | 8R2M  | 8.2 $\pm$ 20%                           | 45m                                    | 2.7                            | 1.9                                  |
| RCH855NP-100M | 100M  | 10 $\pm$ 20%                            | 70m                                    | 2.5                            | 1.3                                  |
| RCH855NP-120M | 120M  | 12 $\pm$ 20%                            | 80m                                    | 2.4                            | 1.1                                  |
| RCH855NP-150M | 150M  | 15 $\pm$ 20%                            | 90m                                    | 2.1                            | 0.95                                 |
| RCH855NP-180M | 180M  | 18 $\pm$ 20%                            | 100m                                   | 2.0                            | 0.90                                 |
| RCH855NP-220K | 220K  | 22 $\pm$ 10%                            | 120m                                   | 1.7                            | 0.77                                 |
| RCH855NP-270K | 270K  | 27 $\pm$ 10%                            | 140m                                   | 1.6                            | 0.72                                 |
| RCH855NP-330K | 330K  | 33 $\pm$ 10%                            | 170m                                   | 1.4                            | 0.67                                 |
| RCH855NP-390K | 390K  | 39 $\pm$ 10%                            | 210m                                   | 1.3                            | 0.59                                 |
| RCH855NP-470K | 470K  | 47 $\pm$ 10%                            | 240m                                   | 1.2                            | 0.57                                 |
| RCH855NP-560K | 560K  | 56 $\pm$ 10%                            | 0.31                                   | 1.1                            | 0.50                                 |
| RCH855NP-680K | 680K  | 68 $\pm$ 10%                            | 0.34                                   | 1.0                            | 0.47                                 |
| RCH855NP-820K | 820K  | 82 $\pm$ 10%                            | 0.40                                   | 0.93                           | 0.43                                 |
| RCH855NP-101K | 101K  | 100 $\pm$ 10%                           | 0.52                                   | 0.81                           | 0.37                                 |
| RCH855NP-121K | 121K  | 120 $\pm$ 10%                           | 0.59                                   | 0.76                           | 0.36                                 |
| RCH855NP-151K | 151K  | 150 $\pm$ 10%                           | 0.71                                   | 0.67                           | 0.32                                 |
| RCH855NP-181K | 181K  | 180 $\pm$ 10%                           | 0.89                                   | 0.62                           | 0.30                                 |
| RCH855NP-221K | 221K  | 220 $\pm$ 10%                           | 1.04                                   | 0.54                           | 0.28                                 |
| RCH855NP-271K | 271K  | 270 $\pm$ 10%                           | 1.28                                   | 0.49                           | 0.25                                 |
| RCH855NP-331K | 331K  | 330 $\pm$ 10%                           | 1.47                                   | 0.44                           | 0.23                                 |
| RCH855NP-391K | 391K  | 390 $\pm$ 10%                           | 1.67                                   | 0.41                           | 0.22                                 |
| RCH855NP-471K | 471K  | 470 $\pm$ 10%                           | 1.95                                   | 0.38                           | 0.20                                 |
| RCH855NP-561K | 561K  | 560 $\pm$ 10%                           | 2.83                                   | 0.35                           | 0.16                                 |
| RCH855NP-681K | 681K  | 680 $\pm$ 10%                           | 3.25                                   | 0.32                           | 0.15                                 |
| RCH855NP-821K | 821K  | 820 $\pm$ 10%                           | 3.82                                   | 0.31                           | 0.14                                 |
| RCH855NP-102K | 102K  | 1000 $\pm$ 10%                          | 5.28                                   | 0.25                           | 0.12                                 |
| RCH855NP-122K | 122K  | 1200 $\pm$ 10%                          | 6.03                                   | 0.23                           | 0.11                                 |
| RCH855NP-152K | 152K  | 1500 $\pm$ 10%                          | 7.15                                   | 0.21                           | 99m                                  |
| RCH855NP-182K | 182K  | 1800 $\pm$ 10%                          | 8.26                                   | 0.20                           | 90m                                  |
| RCH855NP-222K | 222K  | 2200 $\pm$ 10%                          | 11.1                                   | 0.18                           | 81m                                  |
| RCH855NP-272K | 272K  | 2700 $\pm$ 10%                          | 13.1                                   | 0.16                           | 77m                                  |

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|---------------|-------|-----------------------------------------|-----------------------------------------|----------------------------------|--------------------------------------|
| RCH855NP-332K | 332K  | 3300 $\pm$ 10%                          | 15.9                                    | 0.14                             | 68m                                  |
| RCH855NP-392K | 392K  | 3900 $\pm$ 10%                          | 18.0                                    | 0.13                             | 65m                                  |
| RCH855NP-472K | 472K  | 4700 $\pm$ 10%                          | 23.9                                    | 0.12                             | 56m                                  |
| RCH855NP-562K | 562K  | 5600 $\pm$ 10%                          | 26.8                                    | 0.11                             | 53m                                  |
| RCH855NP-682K | 682K  | 6800 $\pm$ 10%                          | 31.7                                    | 98m                              | 49m                                  |
| RCH855NP-822K | 822K  | 8200 $\pm$ 10%                          | 46.5                                    | 88m                              | 40m                                  |
| RCH855NP-103K | 103K  | 10000 $\pm$ 10%                         | 55.7                                    | 81m                              | 37m                                  |

※1:Measuring Frequency: 2.5  $\mu$  H ~ 8.2  $\mu$  H at 7.96MHz  
 10  $\mu$  H ~ 82  $\mu$  H at 2.52 MHz  
 100  $\mu$  H ~ 10000  $\mu$  H at 1 kHz

※2: Saturation current: The DC current at which the inductance decreases to 90% of it's initial value.

※3: Temperature rise current: The DC current at which the temperature rise is  $\Delta t=20^{\circ}\text{C}$ . ( $T_a=20^{\circ}\text{C}$ ).