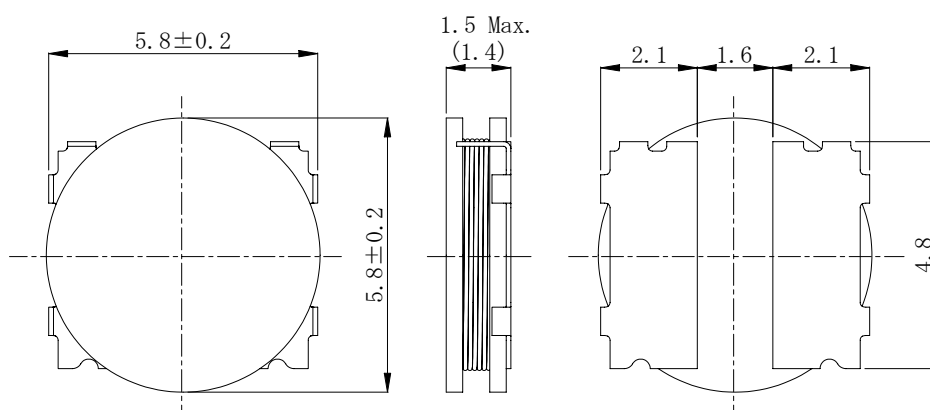
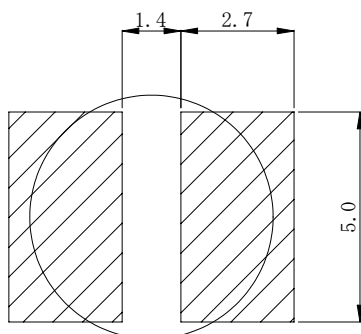


**Type: CDH5D14/S**
**◆ Product Description**

- 6.0×6.0mm Max.(L×W), 1.5mm Max. Height.
- Inductance range: 0.7~100 μ H.
- Rated current range: 0.32~3.9A.
- 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 PDA,MP3,DSC/DVC etc as DC-DC Converter inductors.
- Dropping impact reinforced types.
- RoHS Compliance

**◆ Dimensions (mm)**

**◆ Land Pattern (mm)**


**Type: CDH5D14/S**
**◆ Specification**

| Part Name<br>※   | Stamp | Inductance<br>( $\mu$ H)<br>100kHz/1V | D.C.R.( $\Omega$ )<br>Max.(Typ.)<br>(at 20℃) | Saturation<br>Current<br>(A) ※1 | Temperature<br>Rise Current<br>(A) ※2 |
|------------------|-------|---------------------------------------|----------------------------------------------|---------------------------------|---------------------------------------|
| CDH5D14SNP-0R7M□ | 0R7   | 0.70 $\pm$ 20%                        | 21.6m(18m)                                   | 3.90                            | 4.10                                  |
| CDH5D14SNP-1R1M□ | 1R1   | 1.1 $\pm$ 20%                         | 27.6m(23m)                                   | 3.20                            | 3.80                                  |
| CDH5D14SNP-1R6M□ | 1R6   | 1.6 $\pm$ 20%                         | 34.8m(29m)                                   | 2.65                            | 3.60                                  |
| CDH5D14SNP-2R2M□ | 2R2   | 2.2 $\pm$ 20%                         | 38.4m(32m)                                   | 2.30                            | 3.40                                  |
| CDH5D14SNP-2R7M□ | 2R7   | 2.7 $\pm$ 20%                         | 50.4m(42m)                                   | 2.10                            | 2.90                                  |
| CDH5D14SNP-3R3M□ | 3R3   | 3.3 $\pm$ 20%                         | 55.2m(46m)                                   | 1.90                            | 2.80                                  |
| CDH5D14SNP-4R7M□ | 4R7   | 4.7 $\pm$ 20%                         | 74.4m(62m)                                   | 1.60                            | 2.40                                  |
| CDH5D14SNP-5R9M□ | 5R9   | 5.9 $\pm$ 20%                         | 91.2m(76m)                                   | 1.45                            | 2.15                                  |
| CDH5D14SNP-7R5M□ | 7R5   | 7.5 $\pm$ 20%                         | 120m(100m)                                   | 1.30                            | 1.95                                  |
| CDH5D14SNP-8R5M□ | 8R5   | 8.5 $\pm$ 20%                         | 132m(110m)                                   | 1.20                            | 1.90                                  |
| CDH5D14SNP-100M□ | 100   | 10 $\pm$ 20%                          | 141.6m(118m)                                 | 1.10                            | 1.75                                  |
| CDH5D14SNP-120M□ | 120   | 12 $\pm$ 20%                          | 192m(160m)                                   | 1.00                            | 1.27                                  |
| CDH5D14SNP-150M□ | 150   | 15 $\pm$ 20%                          | 220m(185m)                                   | 900m                            | 1.22                                  |
| CDH5D14SNP-180M□ | 180   | 18 $\pm$ 20%                          | 288m(240m)                                   | 800m                            | 1.08                                  |
| CDH5D14SNP-220M□ | 220   | 22 $\pm$ 20%                          | 330m(275m)                                   | 720m                            | 1.03                                  |
| CDH5D14SNP-270M□ | 270   | 27 $\pm$ 20%                          | 384m(320m)                                   | 640m                            | 930m                                  |
| CDH5D14SNP-330M□ | 330   | 33 $\pm$ 20%                          | 492m(410m)                                   | 600m                            | 780m                                  |
| CDH5D14SNP-390M□ | 390   | 39 $\pm$ 20%                          | 570m(475m)                                   | 560m                            | 740m                                  |
| CDH5D14SNP-470M□ | 470   | 47 $\pm$ 20%                          | 762m(635m)                                   | 480m                            | 580m                                  |
| CDH5D14SNP-560M□ | 560   | 56 $\pm$ 20%                          | 888m(740m)                                   | 430m                            | 560m                                  |
| CDH5D14SNP-680M□ | 680   | 68 $\pm$ 20%                          | 999m(825m)                                   | 400m                            | 540m                                  |
| CDH5D14SNP-820M□ | 820   | 82 $\pm$ 20%                          | 1.18(980m)                                   | 360m                            | 460m                                  |
| CDH5D14SNP-101M□ | 101   | 100 $\pm$ 20%                         | 1.3(1.13)                                    | 320m                            | 440m                                  |

**※ Description of part name**

CDH5D14SNP-0R7M□



B: Box

C: Carrier Tape

※1.Saturation Current: The DC current at which the inductance decreases to 70% of its nominal value.

 ※2.Temperature rise current: The DC current at which the temperature rise is  $\Delta t=40^{\circ}\text{C}$  ( $T_a=20^{\circ}\text{C}$ ).