#### **Power Inductors <SMD Type: CDRH Series>**

# Type: CDRH28D07

#### **◆** Product Description

• 3.0×3.0mm Max.(L×W), 0.8mm Max. Height.

• Inductance range: 1.0~15 μ H;

Rated current range: 0.25~0.90A;

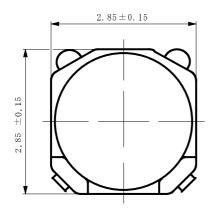
· Custom design is available.

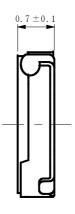


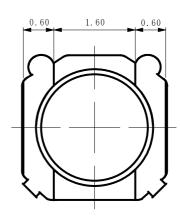
#### **♦** Feature

- · Magnetically shielded construction.
- Storage temperature range: -40°C ~+105°C.
- Operating temperature range: -40 °C~+105 °C (including coil's self-heat).
- · Ideally used in Mobilephone, PDA, MP3, DSC/DVC, HDD and other portable devices.
- · Product weight: 0.022 g(Ref.).
- · RoHS compliance.

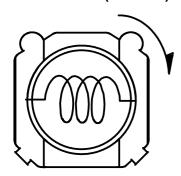
### **♦** Dimensions (mm)



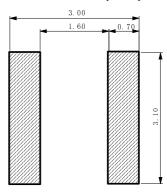




#### **♦** Schematics (Bottom)



# ◆ Land Pattern (mm)





# **Power Inductors <SMD Type: CDRH Series>**

# Type: CDRH28D07

#### **♦** Specification

Part No.	Stamp	Inductance (µH) at 100KHz	D.C.R. (mΩ) (at20℃)	Saturation Current (A) ※1 (at 20℃)	Temperature Rise Current (A) ※2
CDRH28D07NP-1R0NC	Α	1.0±30%	79±25%	0.90	1.15
CDRH28D07NP -1R4NC	С	1.4±30%	94±25%	0.80	1.05
CDRH28D07NP -2R2NC	D	2.2±30%	125±20%	0.66	0.87
CDRH28D07NP -3R3NC	F	3.3±30%	190±20%	0.52	0.72
CDRH28D07NP -4R7MC	Н	4.7±20%	278±20%	0.43	0.53
CDRH28D07NP -6R4MC	K	6.4±20%	330±20%	0.40	0.48
CDRH28D07NP -100MC	М	10±20%	562±20%	0.31	0.36
CDRH28D07NP -150MC	Р	15±20%	955±20%	0.25	0.26

<sup>¾1.Saturation current: The DC current at which the inductance decreases to 70% of its nominal value.</sup> 

<sup>&</sup>amp;2.Temperature rise current: The DC current at which the temperature rise is  $\triangle t = 40^{\circ}\text{C}$ .(Ta=20 $^{\circ}\text{C}$ ).