



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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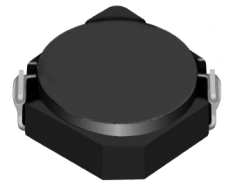
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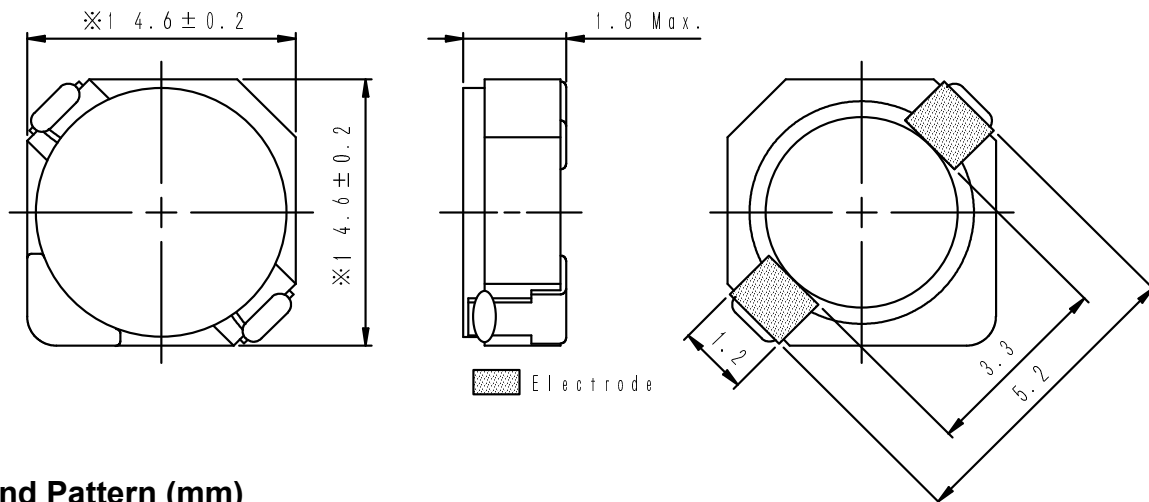
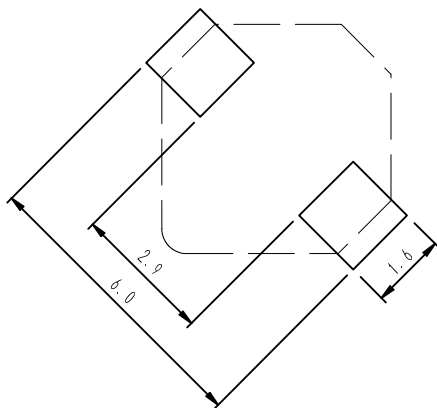


Type: CDRH4D16
◆ Product Description

- 4.8×4.8mm Max.(L×W),1.8mm Max. Height.
- Inductance range: 3.0~100 μ H.
- Rated current range: 0.29~1.75A.
- In addition to the standards versions shown here, custom inductors are also available to meet your exact requirements.


◆ Feature

- Magnetically shielded construction.
- Storage temperature range: -40°C ~+100°C.
- Operating temperature range: -40°C ~+100°C (Including coil's self temperature rise).
- Ideally used in Mobilephone,PDA,MP3,DSC/DVC,etc as DC-DC converter inductors.
- RoHS compliance.

◆ Dimensions (mm)

◆ Land Pattern (mm)


Type: CDRH4D16
◆ Specification

Part No. ※	Stamp	Inductance (μ H) 1 00kHz/1V	D.C.R.(m Ω) Max.(Typ.) (at 20°C)	Saturation Current (A) ※1	Temperature Rise Current (A) ※2
CDRH4D16NP-3R0N□	3R0	3.0 \pm 25%	53(43)	1.75	2.30
CDRH4D16NP-4R7N□	4R7	4.7 \pm 25%	75(60)	1.40	1.65
CDRH4D16NP-6R8N□	6R8	6.8 \pm 25%	110(88)	1.15	1.30
CDRH4D16NP-100M□	100	10 \pm 20%	155(125)	0.95	1.05
CDRH4D16NP-150M□	150	15 \pm 20%	235(190)	0.77	0.82
CDRH4D16NP-220M□	220	22 \pm 20%	330(265)	0.64	0.67
CDRH4D16NP-330M□	330	33 \pm 20%	490(395)	0.52	0.53
CDRH4D16NP-470M□	470	47 \pm 20%	680(550)	0.44	0.47
CDRH4D16NP-680M□	680	68 \pm 20%	980(790)	0.37	0.38
CDRH4D16NP-101M□	101	100 \pm 20%	1480(1190)	0.30	0.29

※ Description of part name

CDRH4D16NP-3R0N□

- B Box
- C Carrier Tape

※1. Saturation current: The DC current at which the inductance decreases to 65% of it's nominal value

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