

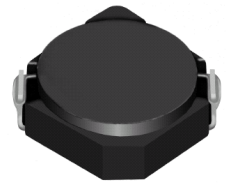


# THE DATASHEET OF CDRH4D16NP-220MC

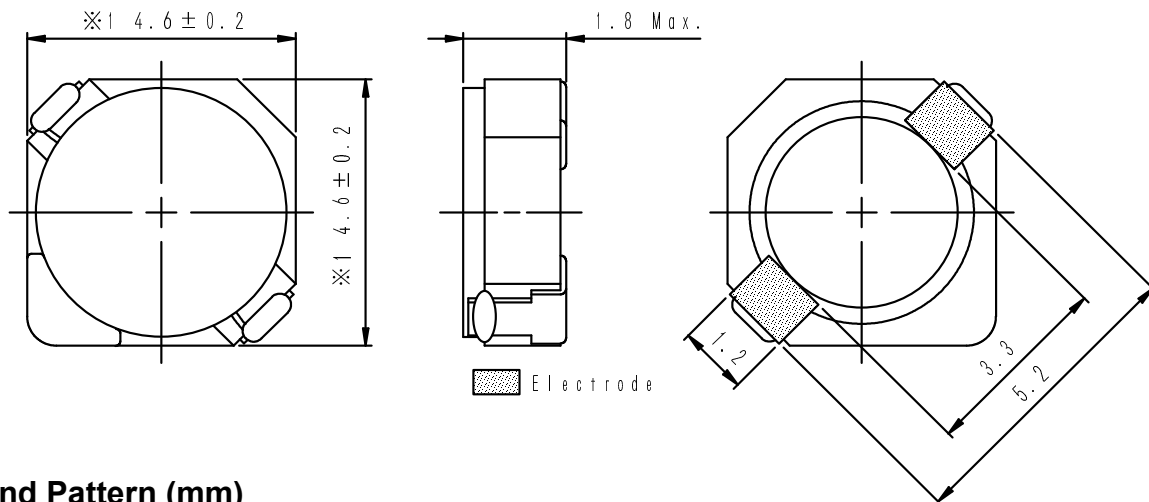
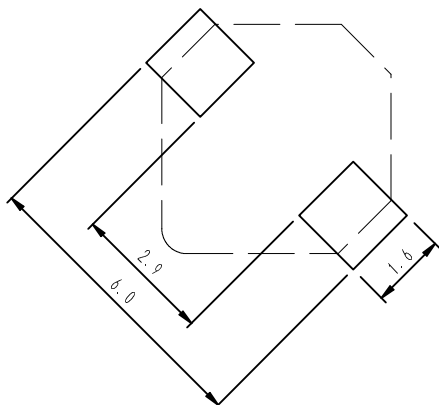


**Type: CDRH4D16**
**◆ Product Description**

- 4.8×4.8mm Max.(L×W),1.8mm Max. Height.
- Inductance range: 3.0~100  $\mu$  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 ( $\mu$ H) 1 00kHz/1V	D.C.R.(m $\Omega$ ) 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  $\Delta t=40^{\circ}\text{C}$ .( $T_a=20^{\circ}\text{C}$ )

## Looking for pricing, stock, or lifecycle information?

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-  [View CDRH4D16NP-220MC on WIN SOURCE](#)
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