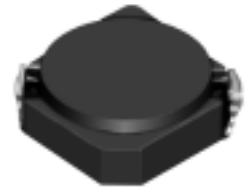


Type: CDRH5D16
◆ Product Description

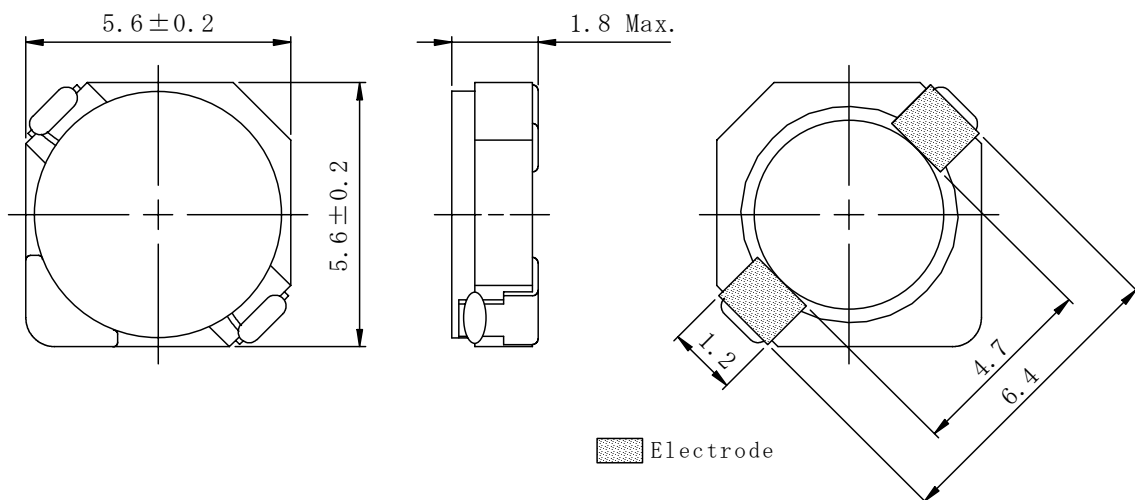
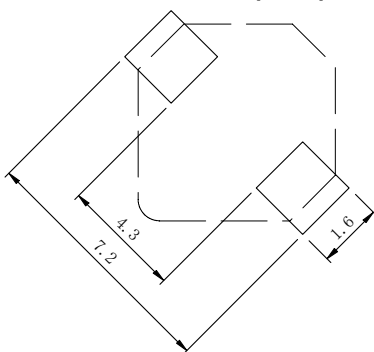
- 5.8×5.8mm Max.(L×W), 1.8 mm, Max. Height.
- Inductance range: 0.9~100 μ H
- Rated current range: 0.35~4.7A
- In addition to the standard versions of inductors shown here, custom inductors are available to meet your exact requirements.


◆ Feature

- Magnetically shielded construction.
- Ideally used in Mobile phone, Notebook PC, MP3, PDA, HDD, DSC/DVC, Game machine, etc as DC-DC Converter inductors.
- RoHS Compliance

◆ Dimensions

(mm)


◆ Land Pattern (mm)


Type: CDRH5D16
◆ Specification

Part Name ※	Stamp	Inductance [Within](μ H) 100kHz/1V	D.C.R.(Ω) [Max.](Typ.) (at 20°C)	Saturation Current(A) ※1		Temperature Rise current (A)※2
				at 20°C	at105°C	
CDRH5D16NP-ØR9N□	0R9	0.90±25%	14.6m(11.7m)	4.70	3.90	4.70
CDRH5D16NP-2R2N□	2R2	2.2±25%	35.9m(28.7m)	3.00	2.45	2.90
CDRH5D16NP-3R3N□	3R3	3.3±25%	44.5m(35.6m)	2.60	2.15	2.40
CDRH5D16NP-4R7N□	4R7	4.7±25%	64.1m(51.3m)	2.15	1.75	2.10
CDRH5D16NP-6R8N□	6R8	6.8±25%	84.3m(67.4m)	1.80	1.45	1.70
CDRH5D16NP-8R2N□	8R2	8.2±25%	0.11(89.7m)	1.55	1.25	1.50
CDRH5D16NP-1ØØM□	100	10.0±20%	0.14(0.11)	1.45	1.15	1.30
CDRH5D16NP-15ØM□	150	15.0±20%	0.20(0.16)	1.15	0.95	1.10
CDRH5D16NP-22ØM□	220	22.0±20%	0.32(0.25)	0.95	0.80	0.80
CDRH5D16NP-33ØM□	330	33.0±20%	0.44(0.35)	0.80	0.65	0.70
CDRH5D16NP-47ØM□	470	47.0±20%	0.58(0.46)	0.68	0.52	0.60
CDRH5D16NP-68ØM□	680	68.0±20%	0.86(0.69)	0.55	0.44	0.50
CDRH5D16NP-82ØM□	820	82.0±20%	1.06(0.85)	0.50	0.40	0.42
CDRH5D16NP-1Ø1M□	101	100±20%	1.41(1.13)	0.45	0.35	0.35

※ Description of part name

CDRH5D16NP-ØR9N□

- B Box
- C Carrier Tape

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

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