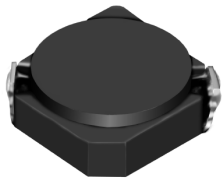
Type: CDRH5D16

◆ Product Description

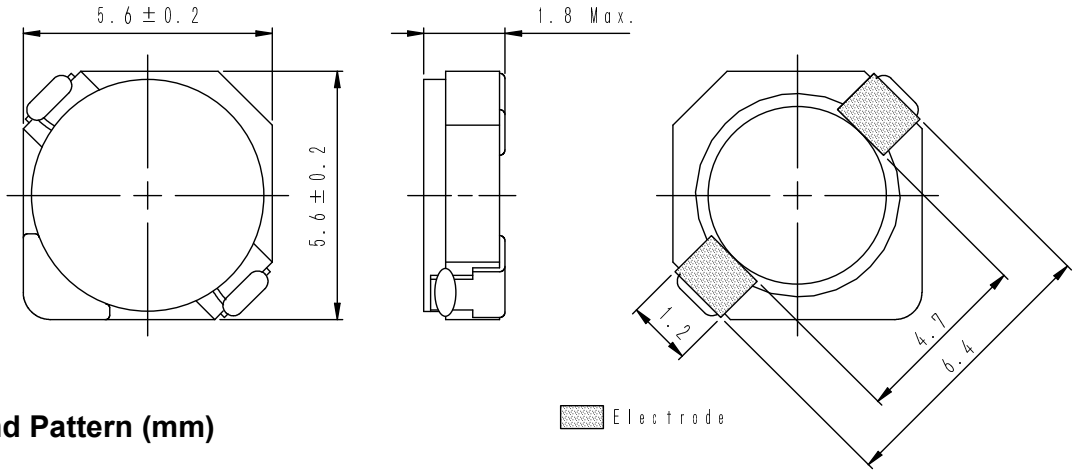


- 5.8×5.8mm Max.(L×W), 1.8 mm, Max. Height.
- Inductance range: 0.9～100 μ H.
- Rated current range: 0.35～4.7A.
- In addition to the standard versions of inductors shown here, custom inductors are available to meet your exact requirements.

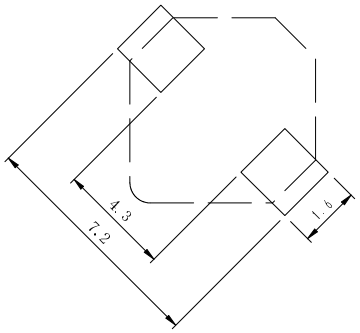
◆ Feature

- Magnetically shielded construction.
- Storage temperature range: -40℃～+105℃.
- Operating temperature range: -40℃～+105℃ (Including coil's self temperature rise).
- Ideally used in Mobile phone, Notebook PC,MP3,PDA,HDD,DSC/DVC,Game machine, etc as DC-DC converter inductors.
- RoHS compliance and Halogen Free.

◆ Dimensions(mm)



◆ Land Pattern (mm)



Type: CDRH5D16

◆ Specification

Part Name ※	Stamp	Inductance (μH) 100kHz/1V	D.C.R.(Ω) [Max.](Typ.) (at 20℃)	Saturation Current (A) ※1		Temperature Rise Current (A) ※2
				at 20℃	at 105℃	
CDRH5D16NP-0R9N□	0R9	0.90±25%	14.6mΩ(11.7mΩ)	4.70	3.90	4.70
CDRH5D16NP-2R2N□	2R2	2.2±25%	35.9mΩ(28.7mΩ)	3.00	2.45	2.90
CDRH5D16NP-3R3N□	3R3	3.3±25%	44.5mΩ(35.6mΩ)	2.60	2.15	2.40
CDRH5D16NP-4R7N□	4R7	4.7±25%	64.1mΩ(51.3mΩ)	2.15	1.75	2.10
CDRH5D16NP-6R8N□	6R8	6.8±25%	84.3mΩ(67.4mΩ)	1.80	1.45	1.70
CDRH5D16NP-8R2N□	8R2	8.2±25%	0.11(89.7mΩ)	1.55	1.25	1.50
CDRH5D16NP-100M□	100	10.0±20%	0.14(0.11)	1.45	1.15	1.30
CDRH5D16NP-150M□	150	15.0±20%	0.20(0.16)	1.15	0.95	1.10
CDRH5D16NP-220M□	220	22.0±20%	0.32(0.25)	0.95	0.80	0.80
CDRH5D16NP-330M□	330	33.0±20%	0.44(0.35)	0.80	0.65	0.70
CDRH5D16NP-470M□	470	47.0±20%	0.58(0.46)	0.68	0.52	0.60
CDRH5D16NP-680M□	680	68.0±20%	0.86(0.69)	0.55	0.44	0.50
CDRH5D16NP-820M□	820	82.0±20%	1.06(0.85)	0.50	0.40	0.42
CDRH5D16NP-101M□	101	100±20%	1.41(1.13)	0.45	0.35	0.35

※ Description of part name

CDRH5D16NP-0R9N□

- 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 △t=40℃.(Ta=20℃).