

Type: CDRH148R

Under Development

◆ **Product Description**

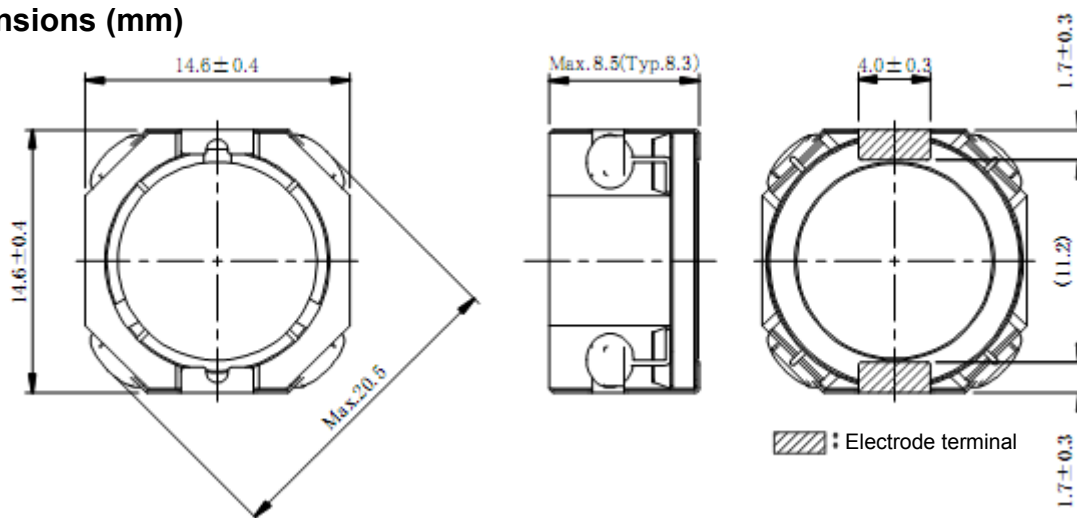
- 15.0×15.0mm Max.(L×W), 8.5mm Max. Height.
- Inductance range: 10~3300μH.
- Rated current range: 0.39~7.8A.
- Custom design is available.



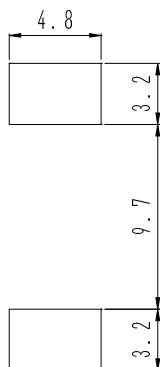
◆ **Feature**

- Magnetically shielded construction.
- Storage temperature range: -40°C ~ +105°C.
- Operating temperature range: -40°C ~ +105°C (Including coil's self temperature rise).
- Ideally used in Game machine, Notebook PC, LCD TV,DVD, STB ,Projector etc as DC-DC converter inductors.
- Product weight: 6.8g (Ref.).
- RoHS compliance.

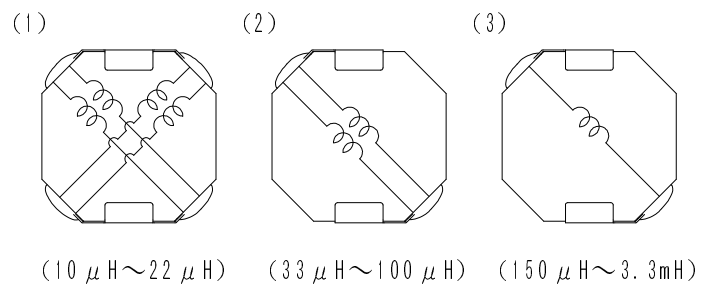
◆ **Dimensions (mm)**



◆ **Land Pattern (mm)**



◆ **Schematics (Bottom)**



Type: CDRH148R
◆ Specification

Part No.	Stamp	Inductance (μ H) ※1	D.C.R. (Ω) ※2 (at 20°C)	Saturation Current (A) ※3		Temperature Rise Current (A)※4
				at 20°C	at 105°C	
CDRH148RNP-100MC	100	10±20%	9.6m(7.7m)	10.8	7.30	7.80
CDRH148RNP-150MC	150	15±20%	15m(12m)	8.40	5.70	6.10
CDRH148RNP-220MC	220	22±20%	22m(18m)	7.20	4.90	5.00
CDRH148RNP-330MC	330	33±20%	33m(27m)	5.80	3.90	4.10
CDRH148RNP-470MC	470	47±20%	50m(40m)	4.90	3.30	3.20
CDRH148RNP-680MC	680	68±20%	71m(57m)	4.00	2.70	2.70
CDRH148RNP-101MC	101	100±20%	96m(77m)	3.30	2.20	2.40
CDRH148RNP-151MC	151	150±20%	140m(112m)	2.80	1.90	2.00
CDRH148RNP-221MC	221	220±20%	208m(167m)	2.30	1.50	1.60
CDRH148RNP-331MC	331	330±20%	305m(244m)	1.90	1.30	1.30
CDRH148RNP-471MC	471	470±20%	415m(332m)	1.60	1.00	1.10
CDRH148RNP-681MC	681	680±20%	592m(474m)	1.30	0.86	0.93
CDRH148RNP-102MC	102	1000±20%	0.81(0.65)	1.00	0.70	0.74
CDRH148RNP-152MC	152	1500±20%	1.31(1.05)	0.88	0.59	0.61
CDRH148RNP-222MC	222	2200±20%	1.89(1.51)	0.71	0.48	0.48
CDRH148RNP-332MC	332	3300±20%	2.76(2.21)	0.57	0.38	0.39

※1. Measuring conditions Inductance at 100kHz.

※2. () is typical value.

※3. Saturation current: This indicates the value of DC current when the inductance decreases to 65% of its nominal value.

※4. Temperature rise current: The value of DC current when the temperature rise is $\Delta t=40^{\circ}\text{C}$. ($T_a=20^{\circ}\text{C}$)