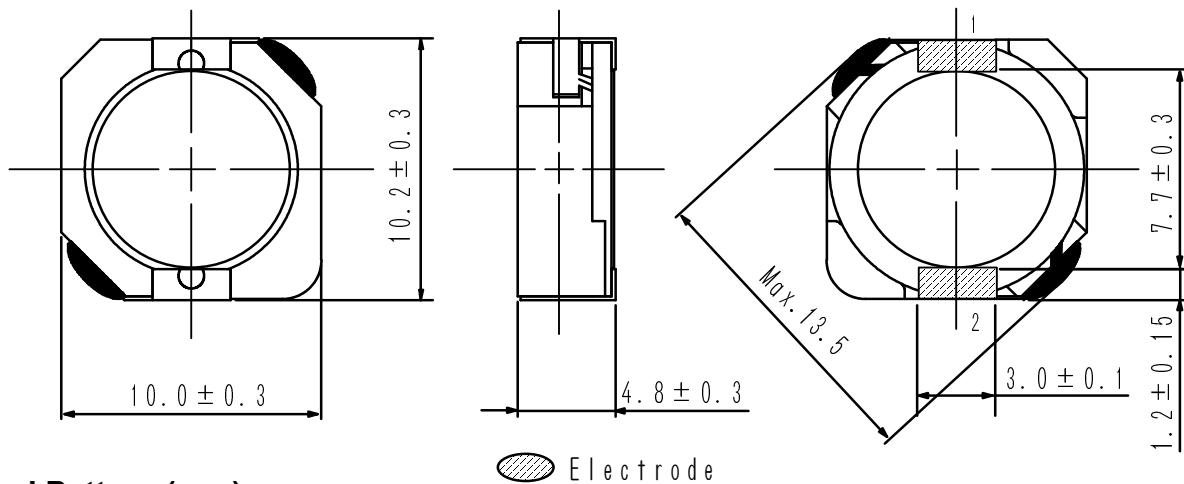
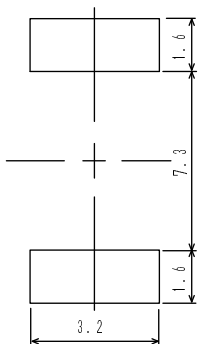


Type: CDRH105R
◆ Product Description

- 10.5×10.3mm Max.(L×W), 5.1mm Max. Height.
- Inductance range: 0.8μH~1.0mH.
- Rated current range: 0.42~9.5A.
- 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°C~+100°C.
- Operating temperature range: -40°C~+100°C (Including coil's self temperature rise).
- Ideally used in Notebook PC, LCD TV,DVD, Game machine, STB ,Projector etc as DC-DC converter inductors.
- Qualification to AEC-Q200.
- RoHS compliance and Halogen Free.

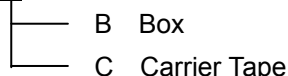
◆ Dimensions (mm)

◆ Land Pattern (mm)


Type: CDRH105R
◆ Specification

Part Name ※	Stamp	Inductance (μ H) 100kHz/1V	D.C.R.(m Ω) Max.(Typ.) (at 20°C)	Saturation Current (A) ※1	Temperature Rise Current (A) ※2
CDRH105RNP-0R8N□	0R8	0.8±30%	4.3 (3.3)	13.5	9.50
CDRH105RNP-1R5N□	1R5	1.5±30%	5.8 (4.5)	10.5	8.30
CDRH105RNP-2R2N□	2R2	2.2±30%	7.2 (5.6)	9.25	7.50
CDRH105RNP-3R3N□	3R3	3.3±30%	10.4 (8.0)	7.80	6.50
CDRH105RNP-4R7N□	4R7	4.7±30%	12.3 (9.5)	6.40	6.10
CDRH105RNP-6R8N□	6R8	6.8±30%	18.0 (14.0)	5.40	5.40
CDRH105RNP-8R2N□	8R2	8.2±30%	20.0 (16.0)	4.85	5.00
CDRH105RNP-100N□	100	10±30%	26.0 (20.0)	4.45	4.50
CDRH105RNP-120N□	120	12±30%	33.0 (25.0)	4.00	3.80
CDRH105RNP-150N□	150	15±30%	41.0 (32.0)	3.60	3.40
CDRH105RNP-180N□	180	18±30%	46.0 (35.0)	3.20	3.10
CDRH105RNP-220N□	220	22±30%	61.0 (47.0)	2.95	2.90
CDRH105RNP-270N□	270	27±30%	69.0 (53.0)	2.70	2.60
CDRH105RNP-330N□	330	33±30%	84.0 (65.0)	2.40	2.50
CDRH105RNP-390N□	390	39±30%	106 (82.0)	2.30	2.25
CDRH105RNP-470N□	470	47±30%	130 (100)	2.00	2.00
CDRH105RNP-560N□	560	56±30%	149 (115)	1.90	1.90
CDRH105RNP-680N□	680	68±30%	201 (155)	1.65	1.60
CDRH105RNP-820N□	820	82±30%	227 (175)	1.50	1.45
CDRH105RNP-101N□	101	100±30%	253 (195)	1.35	1.35
CDRH105RNP-121N□	121	120±30%	303 (233)	1.28	1.18
CDRH105RNP-151N□	151	150±30%	370 (285)	1.12	1.10
CDRH105RNP-181N□	181	180±30%	419 (322)	1.04	1.00
CDRH105RNP-221N□	221	220±30%	500 (385)	0.94	0.94
CDRH105RNP-271N□	271	270±30%	672 (512)	0.84	0.80
CDRH105RNP-331N□	331	330±30%	812 (625)	0.75	0.73
CDRH105RNP-391N□	391	390±30%	953 (733)	0.70	0.70
CDRH105RNP-471N□	471	470±30%	1289 (992)	0.60	0.54
CDRH105RNP-561N□	561	560±30%	1430 (1100)	0.54	0.52
CDRH105RNP-681N□	681	680±30%	1599 (1230)	0.52	0.51
CDRH105RNP-821N□	821	820±30%	1768 (1360)	0.50	0.48
CDRH105RNP-102N□	102	1000±30%	1989 (1530)	0.48	0.42

※ Description of part name

CDRH105RNP- 0R8N□



※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 $\Delta t=40^{\circ}\text{C}$.($T_a=20^{\circ}\text{C}$).