

Type: CDRH104R , CDRH104

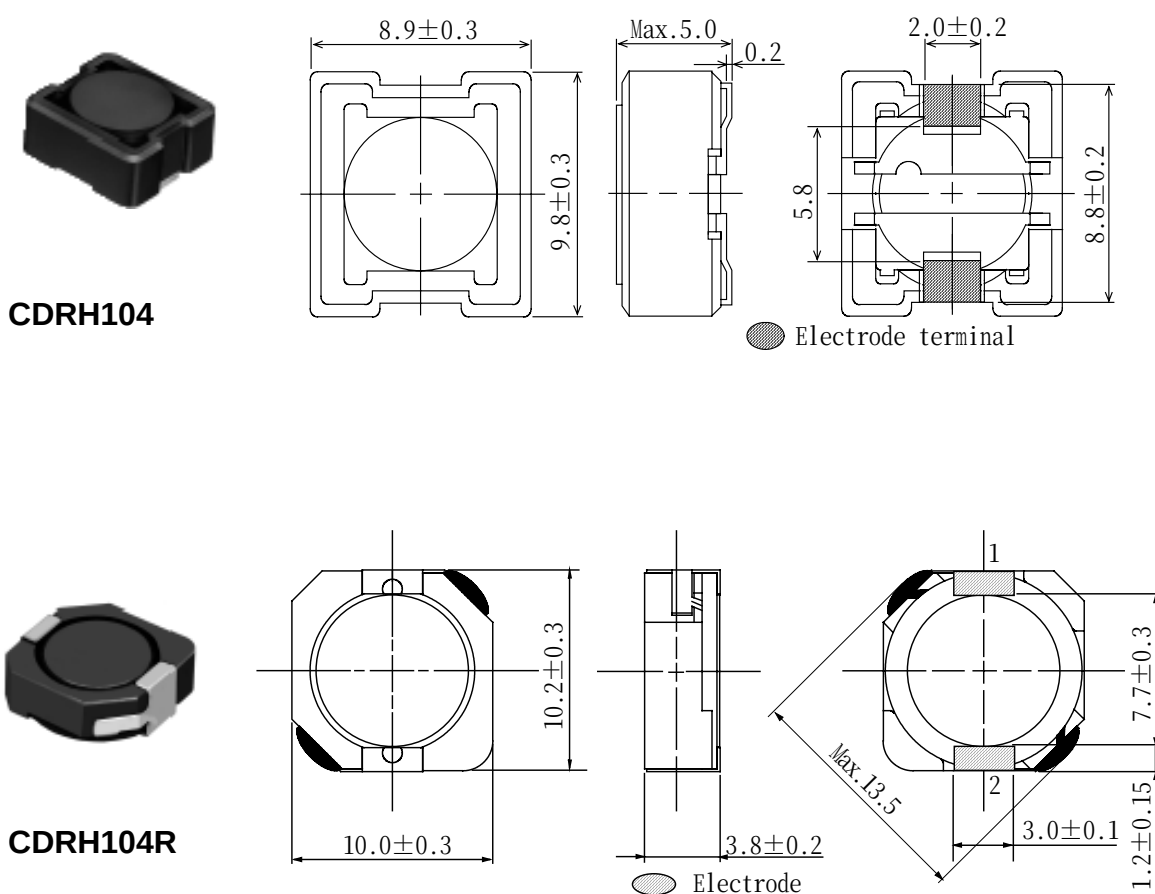
◆ Product Description

- 10.1×9.2mm Max.(L×W), 5.0mm Max. Height. (CDRH104)
- 10.5×10.3mm Max.(L×W), 4.0mm Max. Height. (CDRH104R)
- Inductance range:10~470 μ H(CDRH104); 1.5~330 μ H(CDRH104R).
- Rated current range:0.36~2.4A(CDRH104); 0.52~6.5A(CDRH104R).
- In addition to the standards versions shown here, custom inductors are also available to meet your exact requirements.

◆ Feature

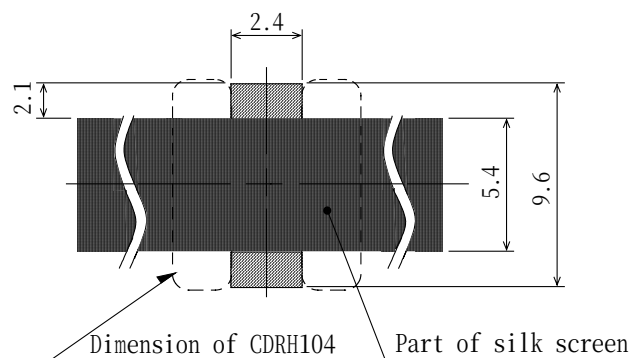
- Magnetically shielded construction.
- Ideally used in Notebook PC, LCD TV,DVD, Game machine, STB ,Projector etc as DC-DC Converter inductors.
- RoHS Compliance

◆ Dimensions (mm)

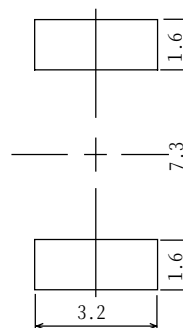


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◆ Land Pattern (mm)



CDRH104



CDRH104R

◆ Specification(CDRH104)

Part Name ※	Stamp	Inductance [Within] 1kHz/1V	D.C.R.(Ω) Max.(Typ.) (at 20°C)	Rated Current (A) ※2
CDRH104NP-100M□	100	10 μH±20%	50m(37m)	2.40
CDRH104NP-120M□	120	12 μH±20%	54m(40m)	2.25
CDRH104NP-150M□	150	15 μH±20%	61m(45m)	2.00
CDRH104NP-180M□	180	18 μH±20%	84m(63m)	1.80
CDRH104NP-220M□	220	22 μH±20%	94m(69m)	1.65
CDRH104NP-270M□	270	27 μH±20%	0.11(82m)	1.45
CDRH104NP-330M□	330	33 μH±20%	0.15(0.11)	1.35
CDRH104NP-390M□	390	39 μH±20%	0.17(0.13)	1.20
CDRH104NP-470M□	470	47 μH±20%	0.21(0.15)	1.10
CDRH104NP-560M□	560	56 μH±20%	0.23(0.17)	1.00
CDRH104NP-680M□	680	68 μH±20%	0.26(0.20)	0.93
CDRH104NP-820M□	820	82 μH±20%	0.36(0.27)	0.84
CDRH104NP-101M□	101	100 μH±20%	0.41(0.30)	0.76
CDRH104NP-121M□	121	120 μH±20%	0.45(0.34)	0.70
CDRH104NP-151M□	151	150 μH±20%	0.64(0.47)	0.63
CDRH104NP-181M□	181	180 μH±20%	0.84(0.62)	0.57
CDRH104NP-221M□	221	220 μH±20%	0.96(0.71)	0.52
CDRH104NP-271M□	271	270 μH±20%	1.07(0.79)	0.47
CDRH104NP-331M□	331	330 μH±20%	1.37(1.05)	0.43
CDRH104NP-391M□	391	390 μH±20%	1.55(1.19)	0.39
CDRH104NP-471M□	471	470 μH±20%	1.74(1.34)	0.36

※ Rated current: The DC current at which the inductance decreases to 75% of it's nominal value or when Δt=40°C, whichever is lower(Ta=20°C).

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◆ Specification(CDRH104R)

Part Name ※	Stamp	Inductance [Within] 100kHz/1V	D.C.R.(Ω) Max.(Typ.) (at 20°C)	Saturation Current (A) ※1-2	Temperature Rise current (A) ※2
CDRH104RNP-1R5N□	1R5	1.5 μH ± 30%	8.1m (6.0m)	10.0	6.50
CDRH104RNP-2R5N□	2R5	2.5 μH ± 30%	10.5m (7.8m)	7.50	6.10
CDRH104RNP-3R8N□	3R8	3.8 μH ± 30%	13.0m (9.6m)	6.00	5.50
CDRH104RNP-5R2N□	5R2	5.2 μH ± 30%	22m (16m)	5.50	5.40
CDRH104RNP-7R0N□	7R0	7.0 μH ± 30%	27m (20m)	4.80	4.50
CDRH104RNP-100N□	100	10 μH ± 30%	35m (26m)	4.40	3.80
CDRH104RNP-120N□	120	12 μH ± 30%	46m (34m)	3.70	3.40
CDRH104RNP-150N□	150	15 μH ± 30%	50m (37m)	3.60	3.10
CDRH104RNP-180N□	180	18 μH ± 30%	69m (51m)	3.10	2.60
CDRH104RNP-220N□	220	22 μH ± 30%	73m (54m)	2.90	2.50
CDRH104RNP-270N□	270	27 μH ± 30%	88m (65m)	2.60	2.30
CDRH104RNP-330N□	330	33 μH ± 30%	93m (69m)	2.30	2.20
CDRH104RNP-390N□	390	39 μH ± 30%	127m (94m)	2.20	2.00
CDRH104RNP-470N□	470	47 μH ± 30%	128m (95m)	2.10	1.90
CDRH104RNP-560N□	560	56 μH ± 30%	188m (139m)	1.65	1.50
CDRH104RNP-680N□	680	68 μH ± 30%	213m (158m)	1.50	1.42
CDRH104RNP-820N□	820	82 μH ± 30%	283m(218m)	1.45	1.30
CDRH104RNP-101N□	101	100 μH ± 30%	304m (225m)	1.35	1.25
CDRH104RNP-121N□	121	120 μH ± 30%	375m (278m)	1.20	1.08
CDRH104RNP-151N□	151	150 μH ± 30%	506m (375m)	1.15	0.85
CDRH104RNP-181N□	181	180 μH ± 30%	568m (421m)	1.00	0.75
CDRH104RNP-221N□	221	220 μH ± 30%	756m (560m)	0.92	0.70
CDRH104RNP-271N□	271	270 μH ± 30%	853m (632m)	0.84	0.55
CDRH104RNP-331N□	331	330 μH ± 30%	1.09 (810m)	0.70	0.52

※ Description of part name

CDRH104RNP-1R5N□

— 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 $\Delta t=30^{\circ}\text{C}.$ ($T_a=20^{\circ}\text{C}.$)