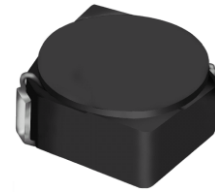


# SMD Power Inductor CDRH4D28



## Description

- Ferrite drum core construction
- Magnetically shielded
- LxWxH:5.0x5.0x3.0 mm Max.
- Product weight: 0.2g(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance



## Environmental Data

- Operating temperature range: -40°C~+100°C (including coil's self temperature rise)
- Storage temperature range: -40°C~+100°C
- Solder reflow temperature: 260 °C peak

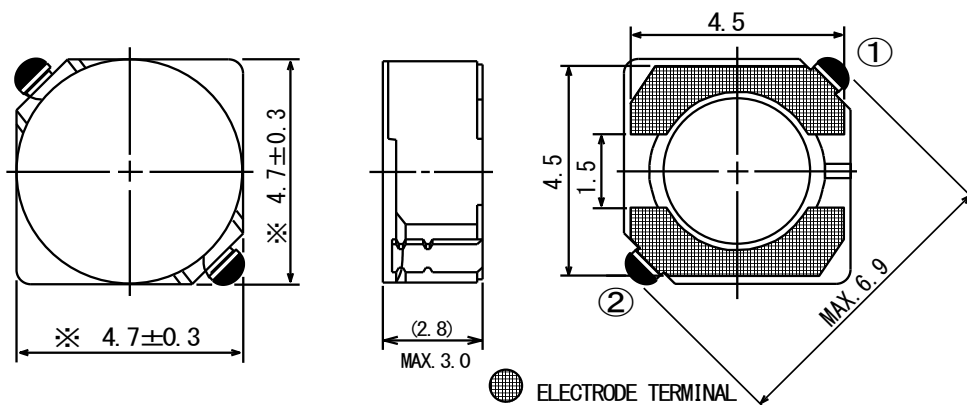
## Packaging

- Carrier tape and reel packaging
- 12.9" diameter reel
- 2000pcs per reel

## Applications

- Ideally used in mobile phone, PDA, MP3,HDD, DSC/DVC, Note book PC, etc as DC-DC converter inductors

## Dimension - [mm]

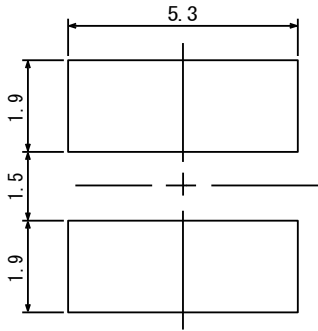


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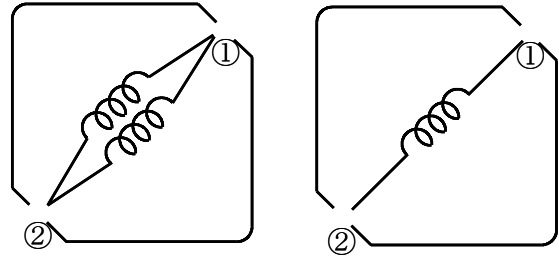
# SMD Power Inductor CDRH4D28



Reference Land pattern – [mm]



Connection



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# SMD Power Inductor

## CDRH4D28



### Electrical Characteristics

Part No.	Stamp	Inductance ( $\mu$ H) [ within ] ※1	D.C.R.( $\Omega$ ) Max. (Typ.) (at 20°C)	Saturation Current (A) Max. (Typ.) ※2
CDRH4D28NP-1R2NC	1R2	1.2 $\pm$ 30%	23.6m (17.5m)	4.08 (5.10)
CDRH4D28NP-1R8NC	1R8	1.8 $\pm$ 30%	27.5m (20.4m)	3.36 (4.20)
CDRH4D28NP-2R2NC	2R2	2.2 $\pm$ 30%	31.3m (23.2m)	2.96 (3.70)
CDRH4D28NP-2R7NC	2R7	2.7 $\pm$ 30%	43.3m (32.1m)	2.64 (3.30)
CDRH4D28NP-3R3NC	3R3	3.3 $\pm$ 30%	49.2m (36.4m)	2.48 (3.10)
CDRH4D28NP-3R9NC	3R9	3.9 $\pm$ 30%	64.8m (48.0m)	2.36 (2.95)
CDRH4D28NP-4R7NC	4R7	4.7 $\pm$ 30%	72.0m (53.3m)	2.12 (2.65)
CDRH4D28NP-5R6NC	5R6	5.6 $\pm$ 30%	100.9m (74.7m)	1.76 (2.20)
CDRH4D28NP-6R8NC	6R8	6.8 $\pm$ 30%	108.9m (80.7m)	1.68 (2.10)
CDRH4D28NP-8R2NC	8R2	8.2 $\pm$ 30%	117.5m (87.0m)	1.48 (1.85)
CDRH4D28NP-100NC	100	10 $\pm$ 30%	128.3m (95.0m)	1.39 (1.74)
CDRH4D28NP-120NC	120	12 $\pm$ 30%	131.6m (97.5m)	1.28 (1.60)
CDRH4D28NP-150NC	150	15 $\pm$ 30%	149.0m (110.4m)	1.13 (1.41)
CDRH4D28NP-180NC	180	18 $\pm$ 30%	166.0m (123.0m)	1.02 (1.27)
CDRH4D28NP-220NC	220	22 $\pm$ 30%	235.0m (174.5m)	0.96 (1.20)
CDRH4D28NP-270NC	270	27 $\pm$ 30%	261.0m (193.3m)	0.86 (1.07)
CDRH4D28NP-330NC	330	33 $\pm$ 30%	331.3m (254.8m)	0.76 (0.95)
CDRH4D28NP-390NC	390	39 $\pm$ 30%	383.7m (284.2m)	0.71 (0.89)
CDRH4D28NP-470NC	470	47 $\pm$ 30%	587.0m (435.0m)	0.64 (0.80)
CDRH4D28NP-560NC	560	56 $\pm$ 30%	624.5m (462.6m)	0.61 (0.76)
CDRH4D28NP-680NC	680	68 $\pm$ 30%	699.0m (517.8m)	0.54 (0.68)
CDRH4D28NP-820NC	820	82 $\pm$ 30%	914.8m (677.6m)	0.47 (0.59)
CDRH4D28NP-101NC	101	100 $\pm$ 30%	1.02 (765.8m)	0.44 (0.55)
CDRH4D28NP-121NC	121	120 $\pm$ 30%	1.27 (976.8m)	0.39 (0.49)
CDRH4D28NP-151NC	151	150 $\pm$ 30%	1.35 (1.08)	0.37 (0.46)
CDRH4D28NP-181NC	181	180 $\pm$ 30%	1.54 (1.23)	0.34 (0.43)

※1 Measuring frequency inductance at 100KHz.

※2 Saturation Current: This indicates the value of D.C. current when the inductance becomes 35% lower than its initial value (Ta=20°C)

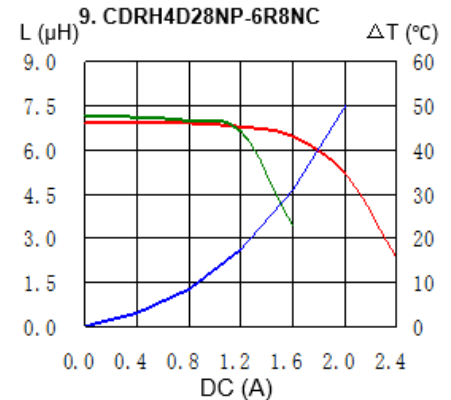
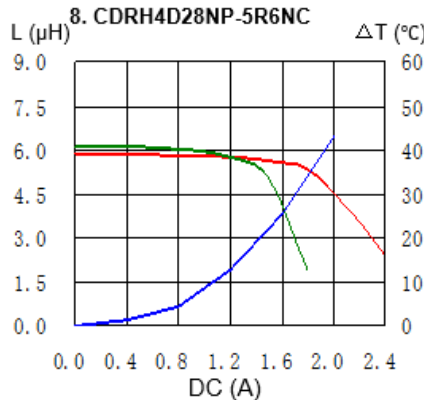
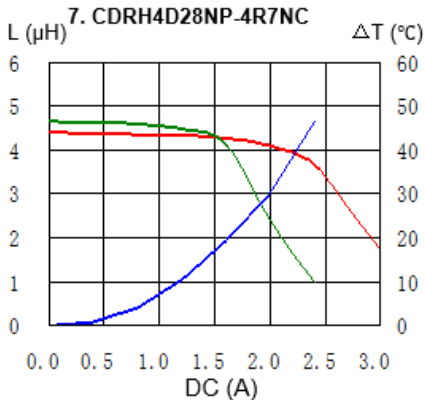
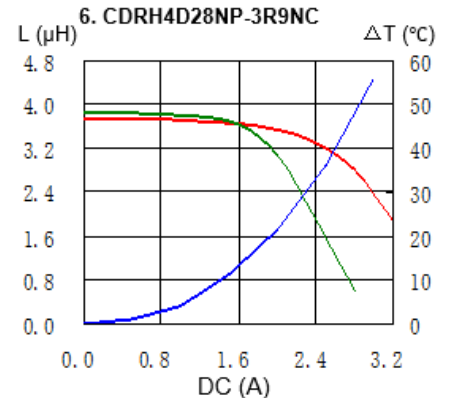
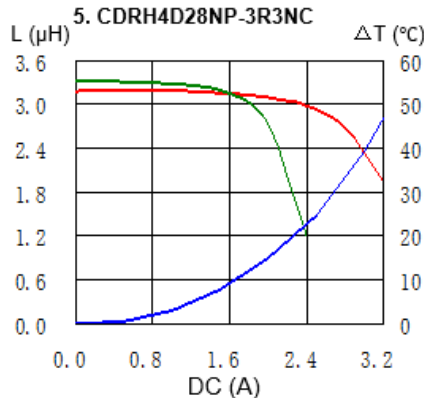
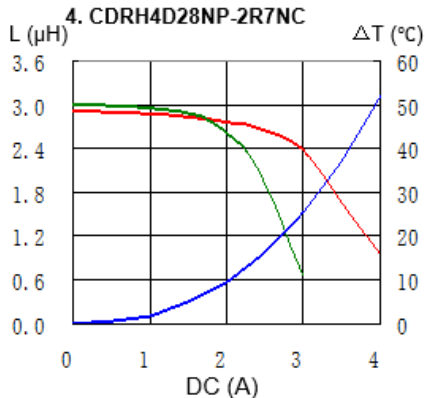
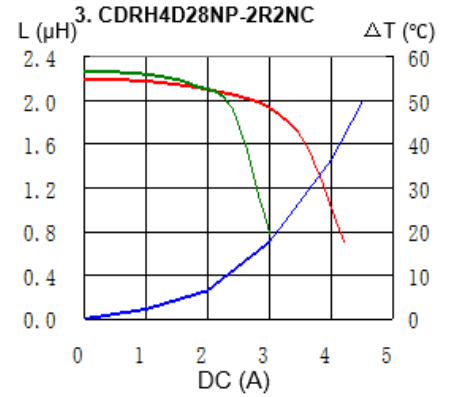
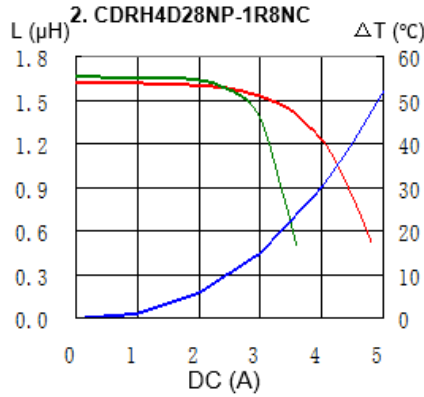
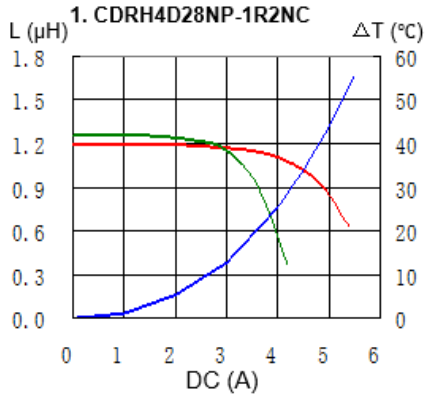
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# SMD Power Inductor

## CDRH4D28



Saturation Current & Temperature Rise Graph — L (20°C) — L (100°C) —  $\Delta T$



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# SMD Power Inductor CDRH4D28

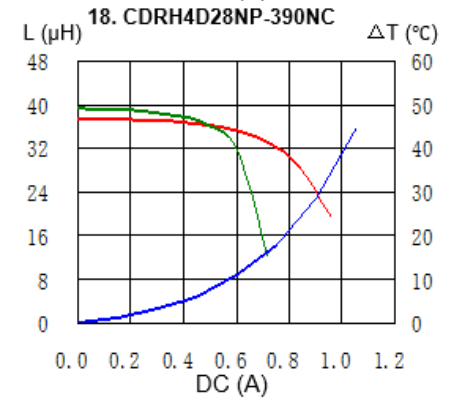
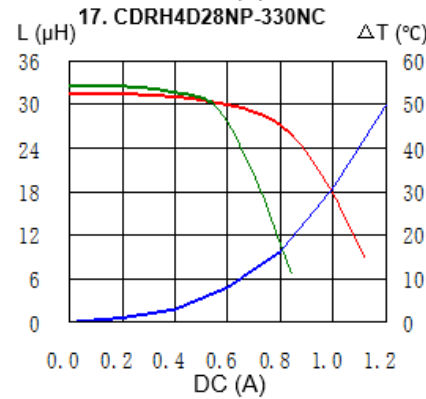
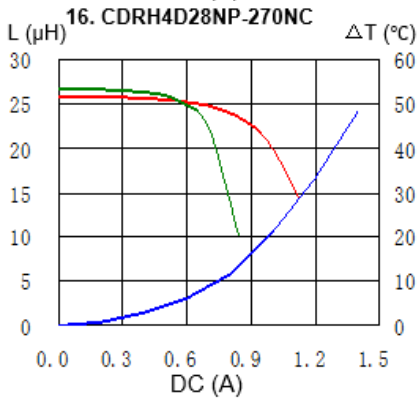
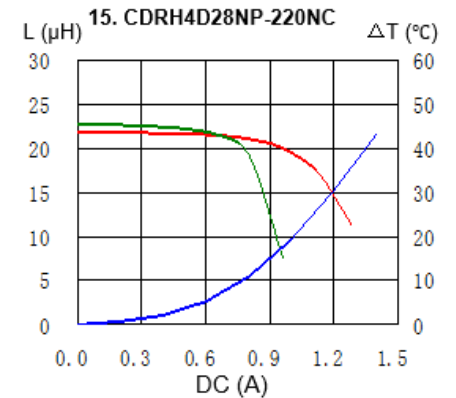
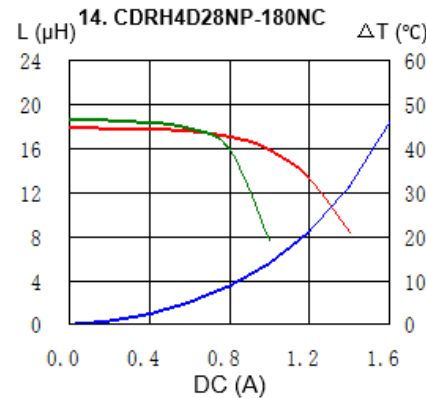
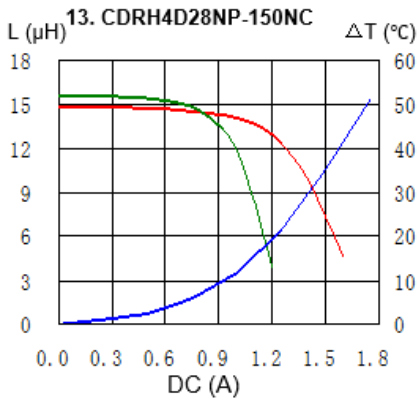
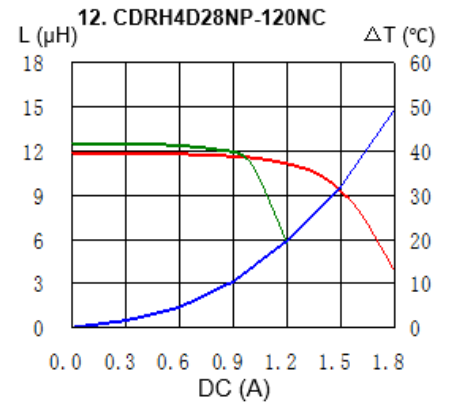
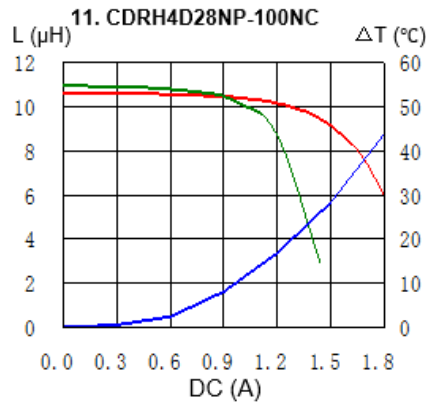
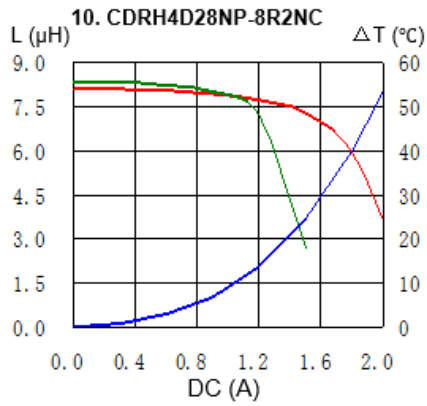


Saturation Current & Temperature Rise Graph

— L (20°C)

— L (100°C)

—  $\Delta T$

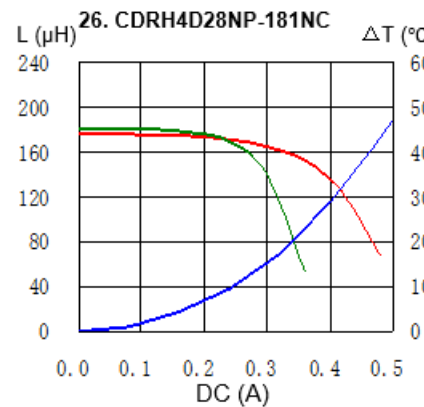
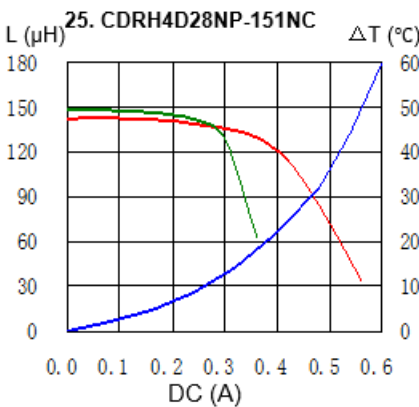
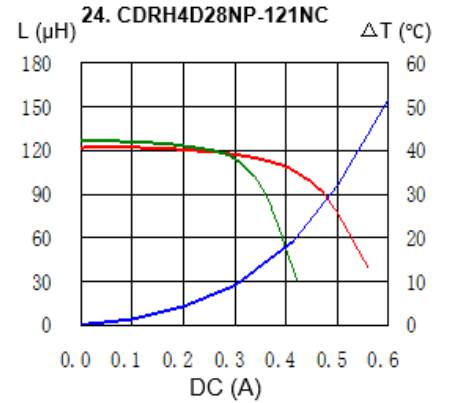
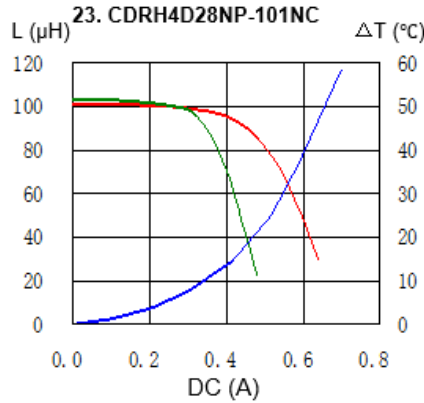
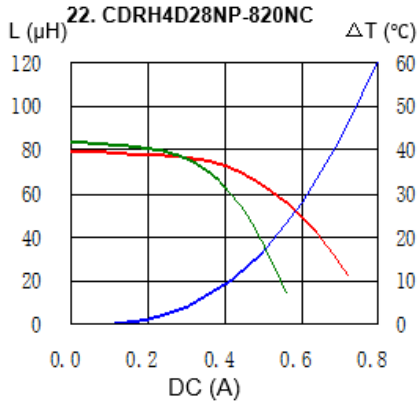
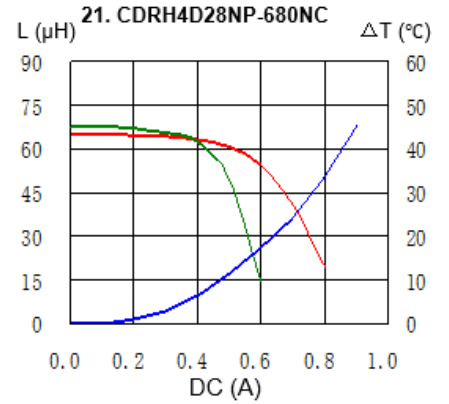
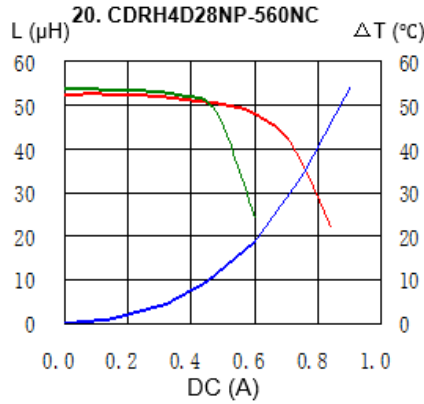
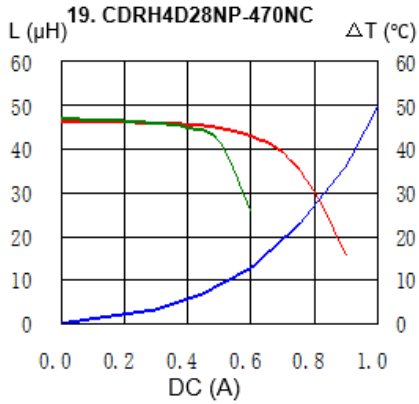


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# SMD Power Inductor CDRH4D28



Saturation Current & Temperature Rise Graph      — L (20°C)      — L (100°C)      —  $\Delta T$

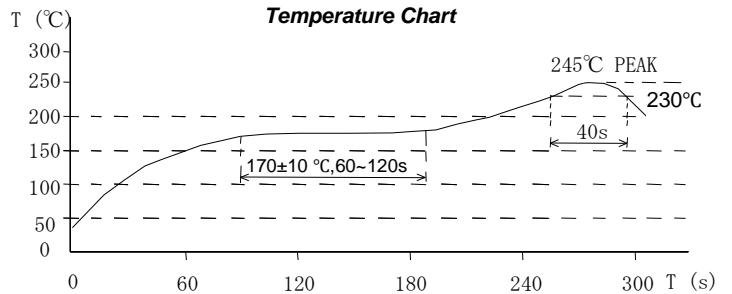
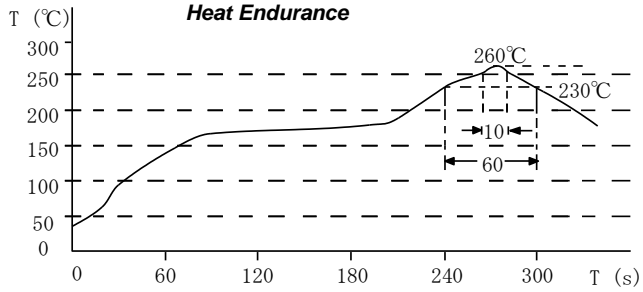


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# SMD Power Inductor CDRH4D28



## Solder Reflow Condition



For sales office information, please visit our website (<https://www.sumida.com/>).

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