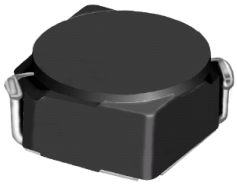
SMD Power Inductor
CDRH5D28

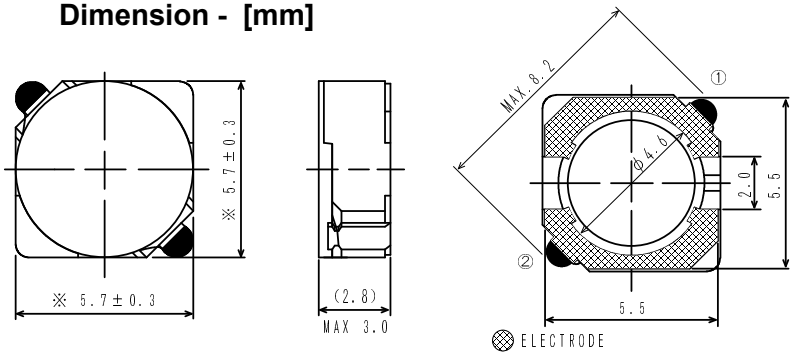
RoHS

Halogen Free

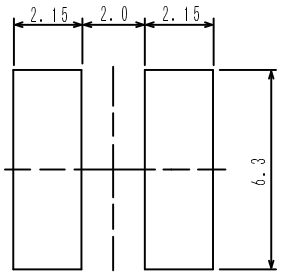


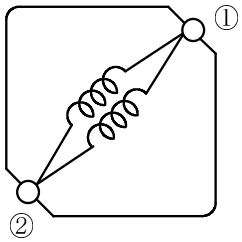
Description
- Ferrite drum core construction.
- Magnetically shielded.
- L × W × H:6.0 × 6.0 × 3.0 mm Max.
- Product weight: 0.4g(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Halogen Free available.

Dimension - [mm]

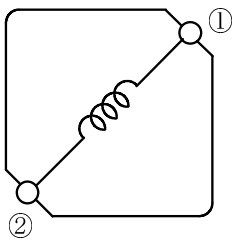


Land pattern and Schematics - [mm]





(2.5μH～8.2μH)



(10μH～100μH)

Environmental Data
- Operating temperature range: -40℃~+100℃ (including coil's self temperature rise)
- Storage temperature range: -40℃～+100℃
- Solder reflow temperature: 260 ℃ peak.

Packaging
- Carrier tape and reel packaging
- 13.0"diameter reel
- 2000pcs per reel

Applications
- Ideally used in Notebook PC,HDD,DSC/DVC, LCD TV ,Game machine etc. as DC-DC converter inductors.

Revised: 5-Jun-12

Electrical Characteristics

Part Name	Stamp	Inductance (μH) [within] ※1	D.C.R. (Ω) [Max.] (Typ.) (at 20℃)	Rated Current (A) ※2
CDRH5D28NP-2R5NC	2R5	2.5±30%	18m (13m)	2.60
CDRH5D28NP-3R0NC	3R0	3.0±30%	24m (18m)	2.40
CDRH5D28NP-4R2NC	4R2	4.2±30%	31m (23m)	2.20
CDRH5D28NP-5R3NC	5R3	5.3±30%	38m (28m)	1.90
CDRH5D28NP-6R2NC	6R2	6.2±30%	45m (33m)	1.80
CDRH5D28NP-8R2NC	8R2	8.2±30%	53m (39m)	1.60
CDRH5D28NP-100NC	100	10±30%	65m (48m)	1.30
CDRH5D28NP-120NC	120	12±30%	76m (56m)	1.20
CDRH5D28NP-150NC	150	15±30%	103m (76m)	1.10
CDRH5D28NP-180NC	180	18±30%	110m (82m)	1.00
CDRH5D28NP-220NC	220	22±30%	122m (90m)	0.90
CDRH5D28NP-270NC	270	27±30%	175m(130m)	0.85
CDRH5D28NP-330NC	330	33±30%	189m(140m)	0.75
CDRH5D28NP-390NC	390	39±30%	212m(157m)	0.70
CDRH5D28NP-470NC	470	47±30%	250m(185m)	0.62
CDRH5D28NP-560NC	560	56±30%	305m(226m)	0.58
CDRH5D28NP-680NC	680	68±30%	355m(263m)	0.52
CDRH5D28NP-820NC	820	82±30%	463m(343m)	0.46
CDRH5D28NP-101NC	101	100±30%	520m(385m)	0.42

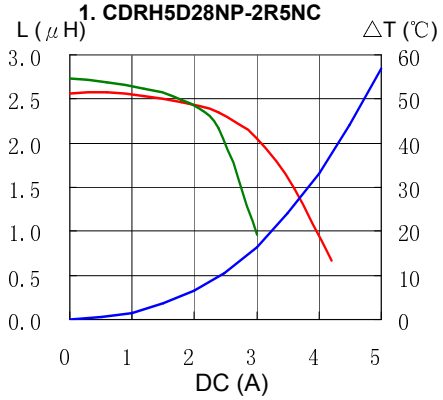
※1. Inductance measuring condition: at 100kHz.

※2. Rated current: The DC current at which the inductance decreases to 65% of it's nominal value orwhen△t=30℃,whichever is lower (Ta=20℃).

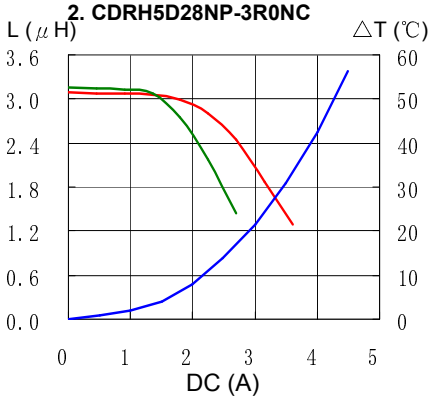
Saturation Current & Temperature Rise Graph

L (20℃) L (105℃) △T

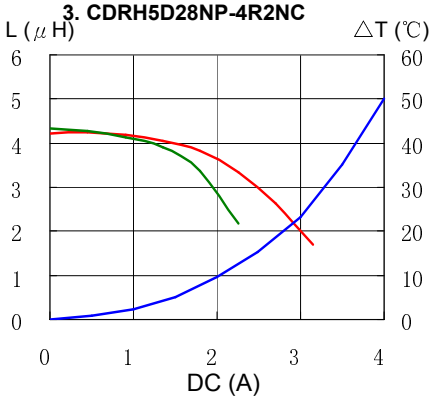
1. CDRH5D28NP-2R5NC



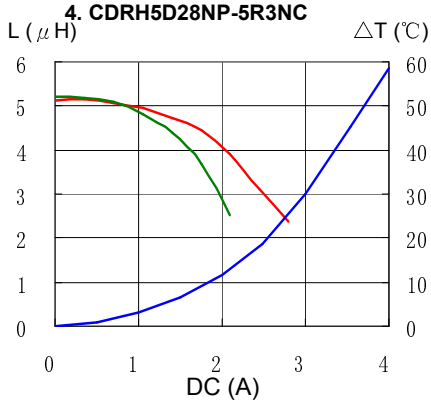
2. CDRH5D28NP-3R0NC



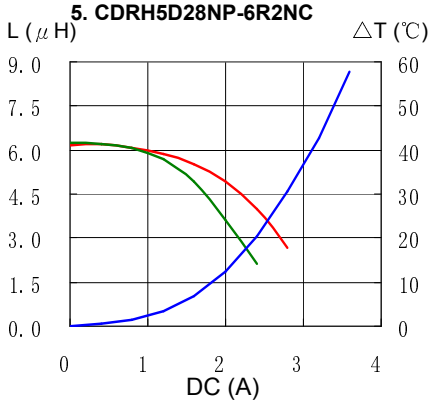
3. CDRH5D28NP-4R2NC



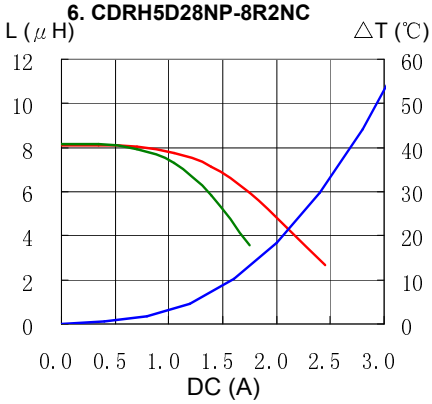
4. CDRH5D28NP-5R3NC



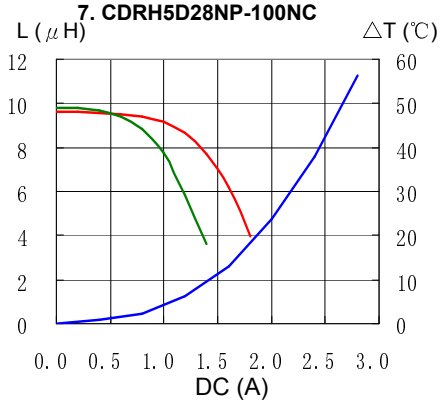
5. CDRH5D28NP-6R2NC



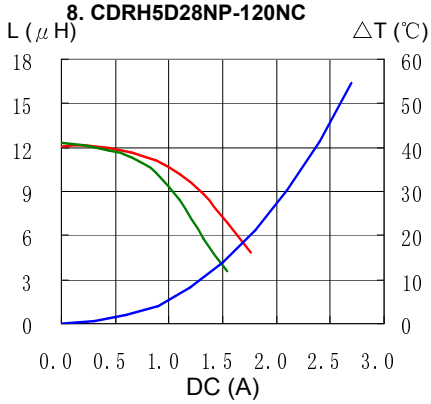
6. CDRH5D28NP-8R2NC



7. CDRH5D28NP-100NC



8. CDRH5D28NP-120NC



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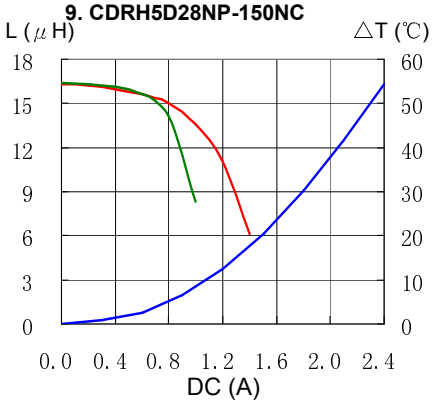
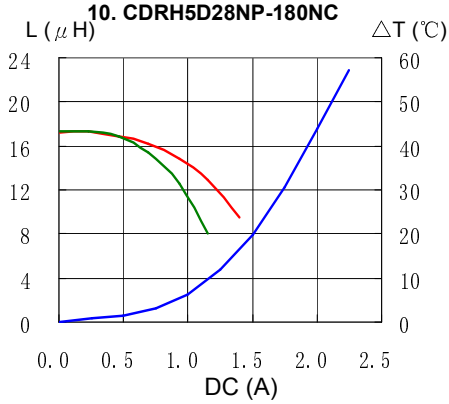
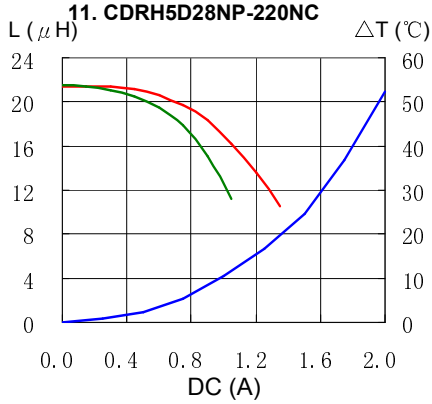


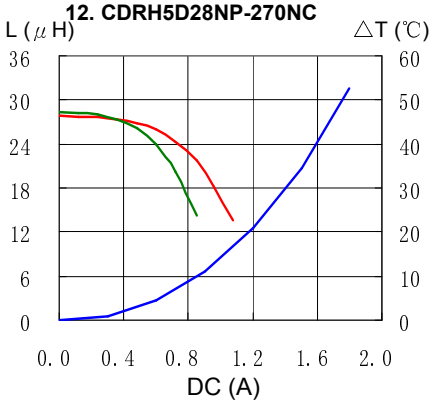
10. CDRH5D28NP-180NC



11. CDRH5D28NP-220NC



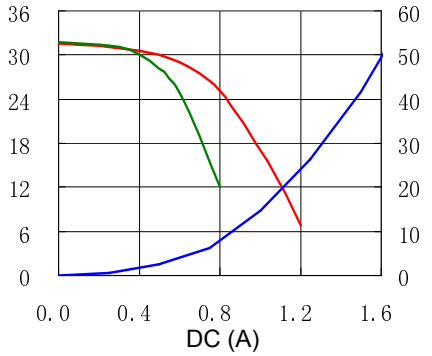
12. CDRH5D28NP-270NC



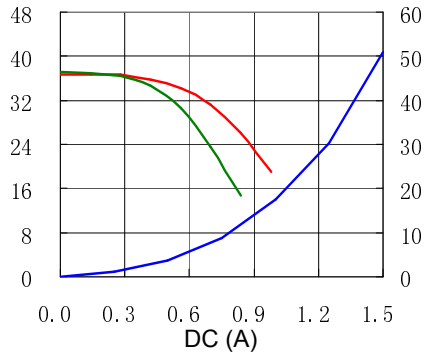
Saturation Current & Temperature Rise Graph

L (20℃) L (105℃) △T

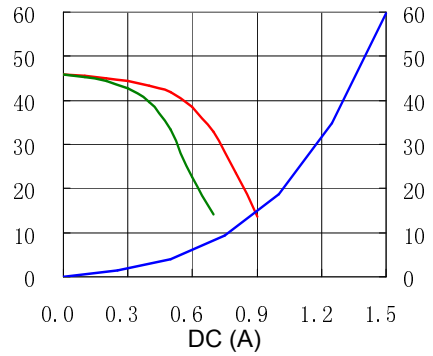
13. CDRH5D28NP-330NC



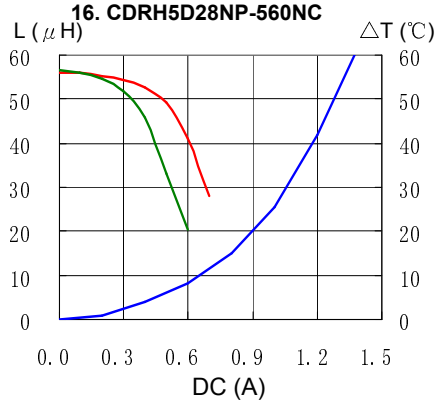
14. CDRH5D28NP-390NC



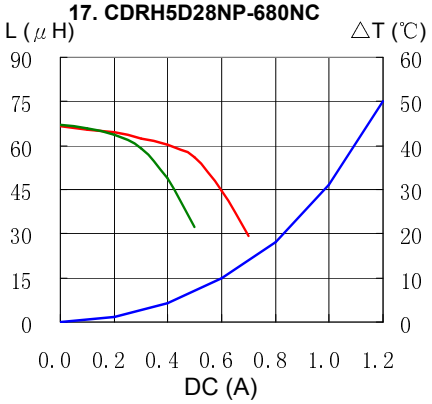
15. CDRH5D28NP-470NC



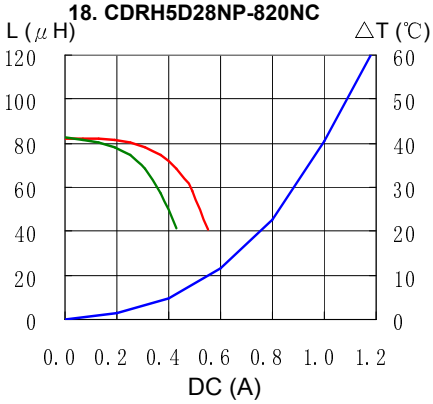
16. CDRH5D28NP-560NC



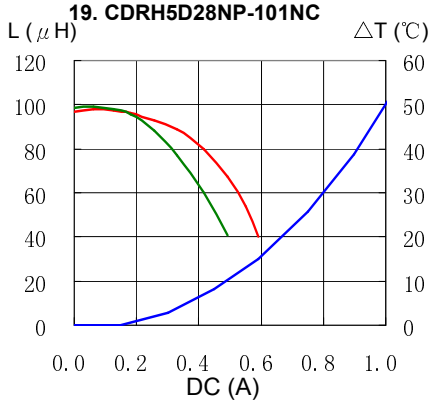
17. CDRH5D28NP-680NC



18. CDRH5D28NP-820NC

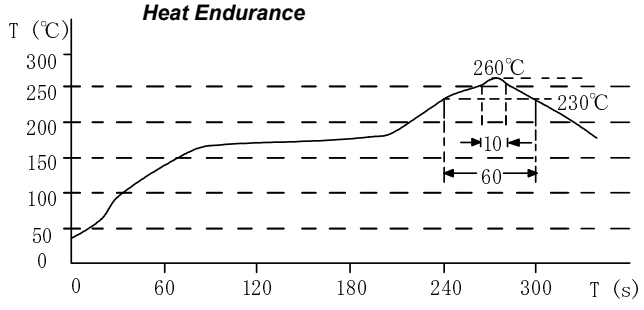


19. CDRH5D28NP-101NC

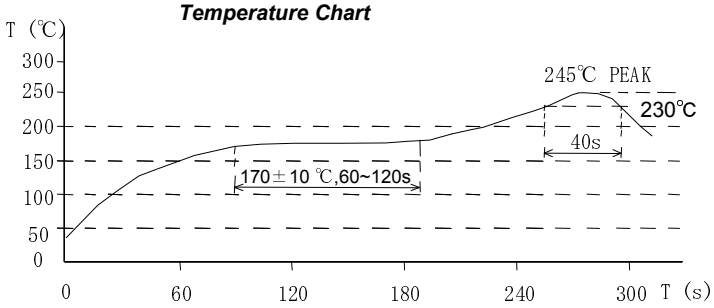


Solder Reflow Condition

Heat Endurance



Temperature Chart



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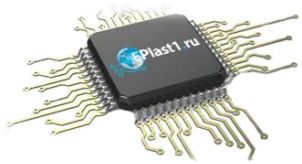
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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