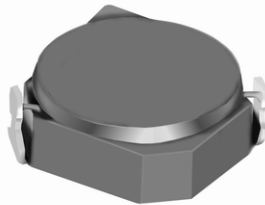


SMD Power Inductor CDRH6D26



Halogen Free



Description

- Ferrite drum core construction.
- Magnetically shielded.
- L × W × H: 7.0 × 7.0 × 2.8 mm Max.
- Product weight: 0.4 g(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Halogen Free available.

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.

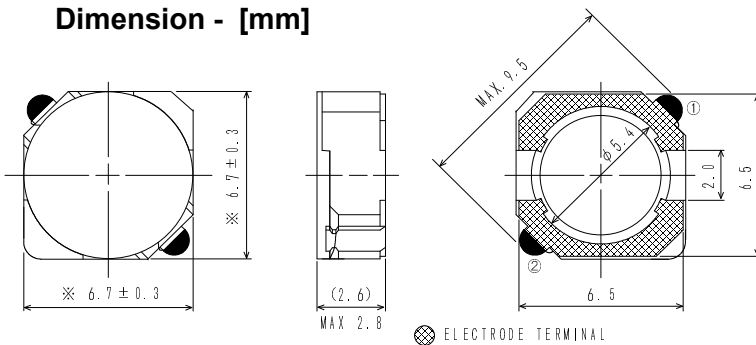
Packaging

- Carrier tape and reel packaging
- 13" diameter reel
- 1500pcs per reel

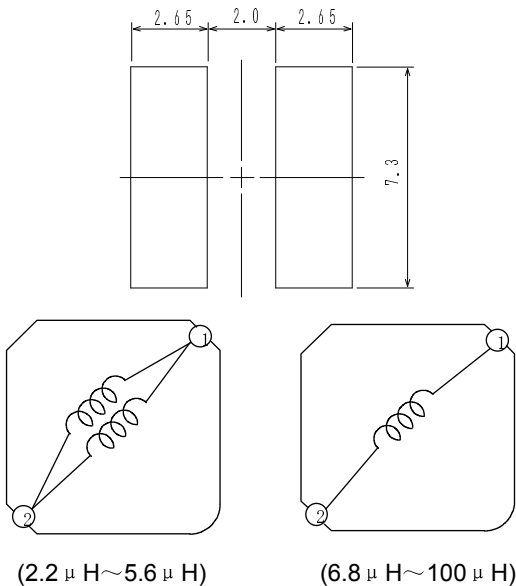
Applications

- Ideally used in Mobile phone, MP3, PDA, HDD, DSC/DVC, etc as DC-DC converter inductors.

Dimension - [mm]



Land pattern and Schematics - [mm]



SMD Power Inductor CDRH6D26



Electrical Characteristics

Part Name	Stamp	Inductance (μ H) [within] ※1	D.C.R.(Ω) Max. (Typ.) (at 20°C)	Rated Current (A) ※2
CDRH6D26NP-2R2NC	2R2	2.2 \pm 30%	22m(16.2m)	3.20
CDRH6D26NP-2R9NC	2R9	2.9 \pm 30%	25m(18.7m)	2.80
CDRH6D26NP-3R6NC	3R6	3.6 \pm 30%	29m(21.3m)	2.50
CDRH6D26NP-5R0NC	5R0	5.0 \pm 30%	32m(23.4m)	2.20
CDRH6D26NP-5R6NC	5R6	5.6 \pm 30%	36m(26.5m)	2.00
CDRH6D26NP-6R8NC	6R8	6.8 \pm 30%	54m(40.0m)	1.80
CDRH6D26NP-8R0NC	8R0	8.0 \pm 30%	60m(44.0m)	1.60
CDRH6D26NP-100NC	100	10 \pm 30%	71m(52.8m)	1.50
CDRH6D26NP-120NC	120	12 \pm 30%	78m(57.4m)	1.30
CDRH6D26NP-150NC	150	15 \pm 30%	106m(78.6m)	1.20
CDRH6D26NP-180NC	180	18 \pm 30%	114m(84.2m)	1.10
CDRH6D26NP-220NC	220	22 \pm 30%	129m(95.4m)	1.00
CDRH6D26NP-270NC	270	27 \pm 30%	185m(136.6m)	0.90
CDRH6D26NP-330NC	330	33 \pm 30%	203m(150.2m)	0.80
CDRH6D26NP-390NC	390	39 \pm 30%	223m(165.2m)	0.75
CDRH6D26NP-470NC	470	47 \pm 30%	300m(221.6m)	0.70
CDRH6D26NP-560NC	560	56 \pm 30%	340m(251.4m)	0.65
CDRH6D26NP-680NC	680	68 \pm 30%	375m(278.4m)	0.58
CDRH6D26NP-820NC	820	82 \pm 30%	490m(364.0m)	0.53
CDRH6D26NP-101NC	101	100 \pm 30%	560m(414.8m)	0.50

※1. Inductance measuring condition: at 10kHz.

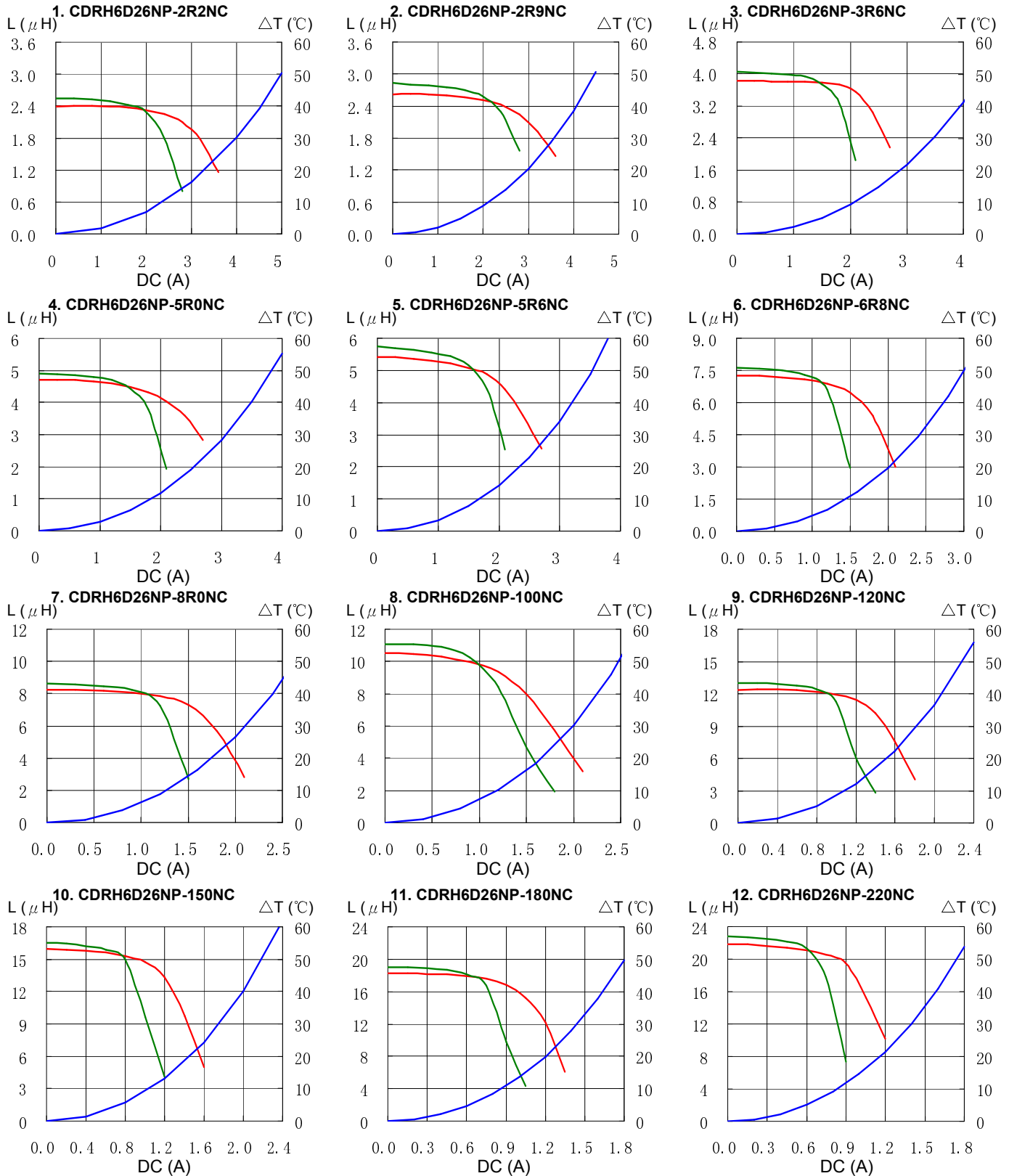
※2. Rated current: The DC current at which the inductance decreases to 65% of it's nominal value or when $\Delta t=30^{\circ}\text{C}$, whichever is lower ($T_a=20^{\circ}\text{C}$).

SMD Power Inductor CDRH6D26



Saturation Current & Temperature Rise Graph

— L (20°C) — L (100°C) — ΔT



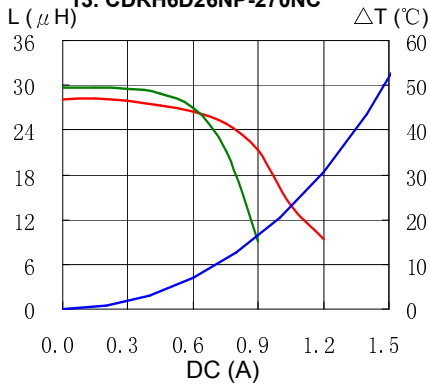
SMD Power Inductor CDRH6D26



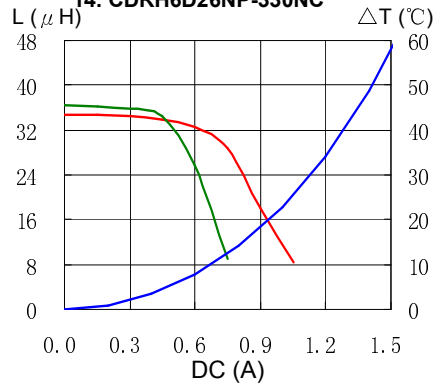
Saturation Current & Temperature Rise Graph

— L (20°C) — L (100°C) — ΔT

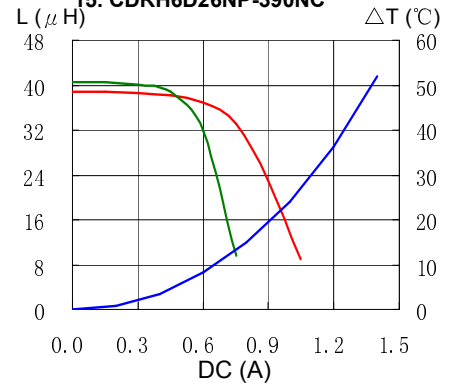
13. CDRH6D26NP-270NC



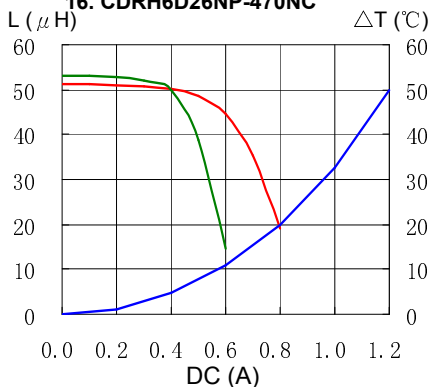
14. CDRH6D26NP-330NC



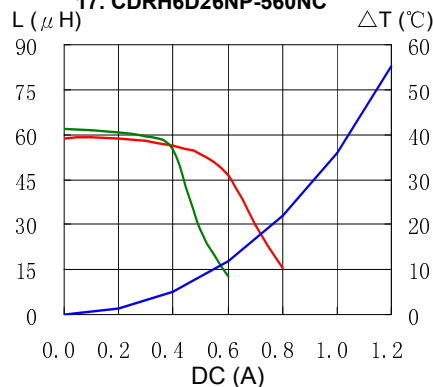
15. CDRH6D26NP-390NC



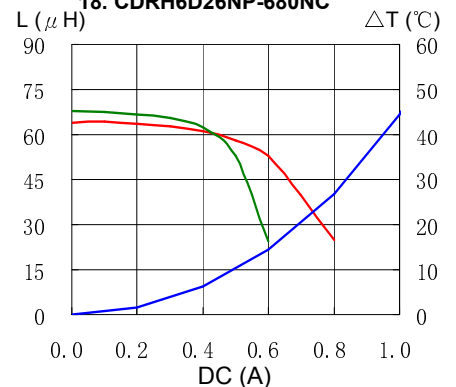
16. CDRH6D26NP-470NC



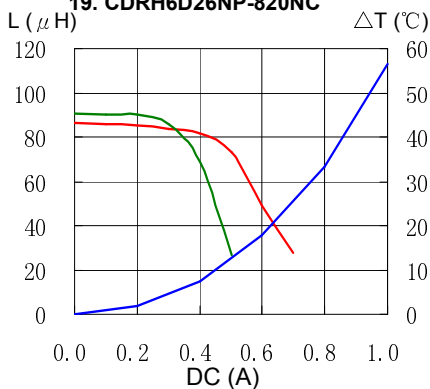
17. CDRH6D26NP-560NC



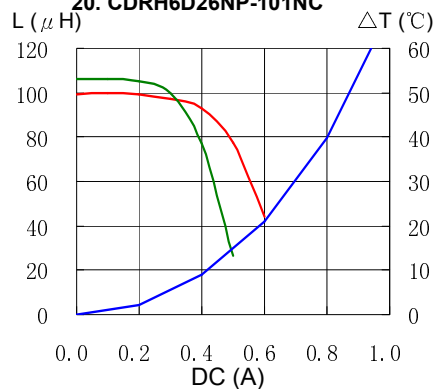
18. CDRH6D26NP-680NC



19. CDRH6D26NP-820NC



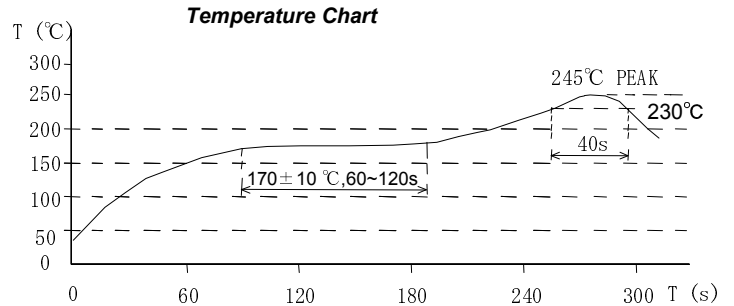
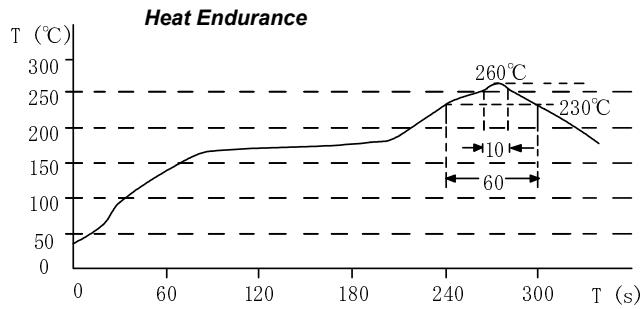
20. CDRH6D26NP-101NC



SMD Power Inductor CDRH6D26



Solder Reflow Condition



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