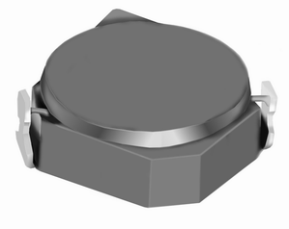
SMD Power Inductor
CDRH6D26/HP

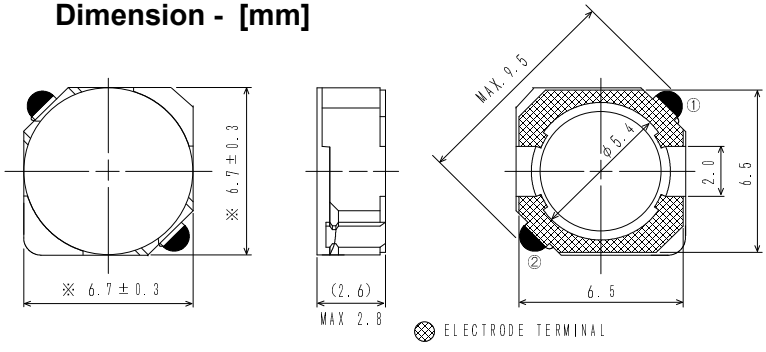
RoHS

Halogen Free

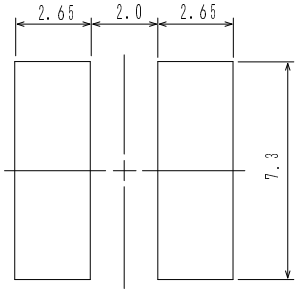


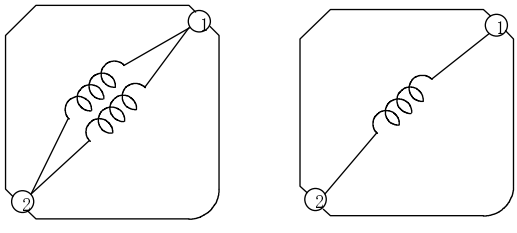
Description
- Ferrite drum core construction.
- Magnetically shielded.
- L × W × H:7.0 × 7.0 × 2.8 mm Max.
- Product weight: 0.4g(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Halogen Free available.

Dimension - [mm]



Land pattern and Schematics - [mm]





(1.5μH～10μH)　　(15μH～100μH)

Environmental Data
- Operating temperature range: -40℃~+105℃ (including coil's self temperature rise)
- Storage temperature range: -40℃～+105℃
- Solder reflow temperature: 260 ℃ 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.

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Electrical Characteristics

Part Name	Stamp	Inductance (μH) [within] ※1	D.C.R. (mΩ) Max. (Typ.) (at 20℃)	Saturation Current (A) ※2		Temperature Rise Current (A) ※3
				at 20℃	at 105℃	
CDRH6D26HPNP-1R5PC	1R5	1.5±25%	20.3(16.2)	6.30	5.20	4.60
CDRH6D26HPNP-2R2PC	2R2	2.2±25%	23.1(18.5)	5.10	4.20	4.00
CDRH6D26HPNP-3R3PC	3R3	3.3±25%	26.9(21.5)	4.20	3.60	3.90
CDRH6D26HPNP-4R7PC	4R7	4.7±25%	41.3(33.0)	3.40	2.90	2.90
CDRH6D26HPNP-5R6PC	5R6	5.6±25%	48.4(38.7)	3.10	2.80	2.70
CDRH6D26HPNP-6R8PC	6R8	6.8±25%	64.4(51.5)	2.90	2.55	2.30
CDRH6D26HPNP-8R2PC	8R2	8.2±25%	83.1(66.5)	2.75	2.35	2.00
CDRH6D26HPNP-100MC	100	10.0±20%	90.0(72.0)	2.50	2.05	1.80
CDRH6D26HPNP-150MC	150	15.0±20%	128(102)	2.00	1.70	1.45
CDRH6D26HPNP-180MC	180	18.0±20%	144(115)	1.85	1.55	1.35
CDRH6D26HPNP-220MC	220	22.0±20%	174(139)	1.70	1.40	1.20
CDRH6D26HPNP-270MC	270	27.0±20%	235(188)	1.50	1.25	1.05
CDRH6D26HPNP-330MC	330	33.0±20%	258(206)	1.35	1.15	1.00
CDRH6D26HPNP-390MC	390	39.0±20%	283(226)	1.25	1.05	0.95
CDRH6D26HPNP-470MC	470	47.0±20%	381(305)	1.15	0.95	0.80
CDRH6D26HPNP-560MC	560	56.0±20%	425(340)	1.05	0.88	0.75
CDRH6D26HPNP-680MC	680	68.0±20%	470(376)	0.95	0.80	0.70
CDRH6D26HPNP-820MC	820	82.0±20%	696(557)	0.85	0.72	0.58
CDRH6D26HPNP-101MC	101	100±20%	758(606)	0.80	0.65	0.55

※1. Inductance Measuring condition: at 100kHz.

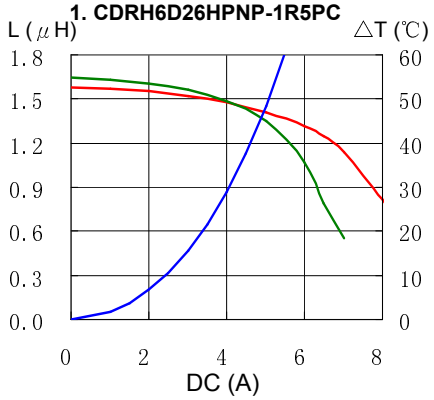
※2. Saturation current: The value of D.C. current when the inductance decreases to 65% of it's nominal value.

※3. Temperature rise current: The value of D.C. current when the temperature rise is △t=40℃(Ta=20℃).

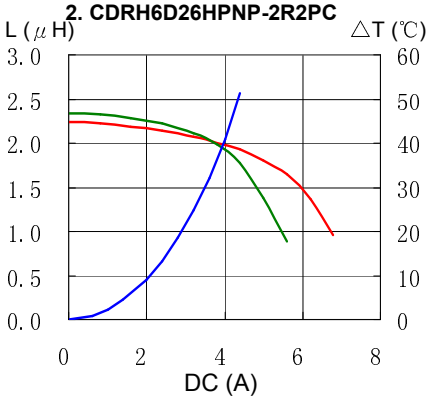
Saturation Current & Temperature Rise Graph

L (20℃) L (100℃) △T

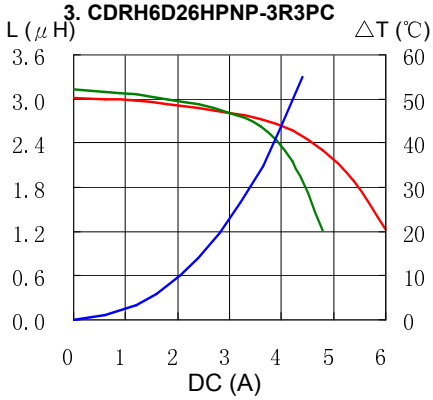
1. CDRH6D26HPNP-1R5PC



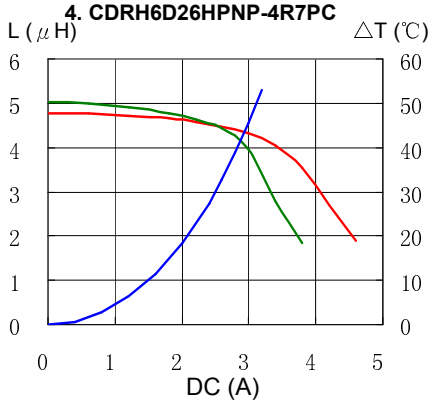
2. CDRH6D26HPNP-2R2PC



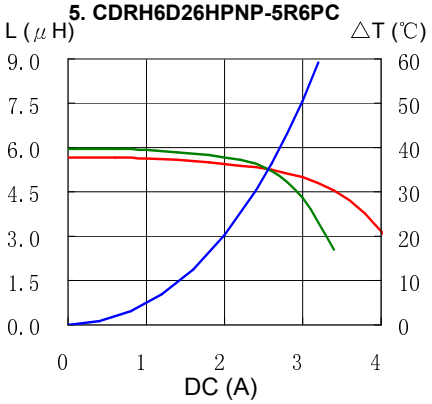
3. CDRH6D26HPNP-3R3PC



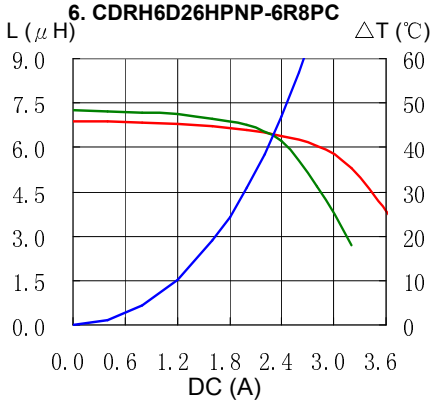
4. CDRH6D26HPNP-4R7PC



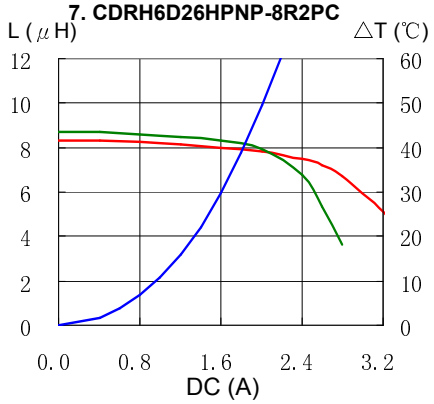
5. CDRH6D26HPNP-5R6PC



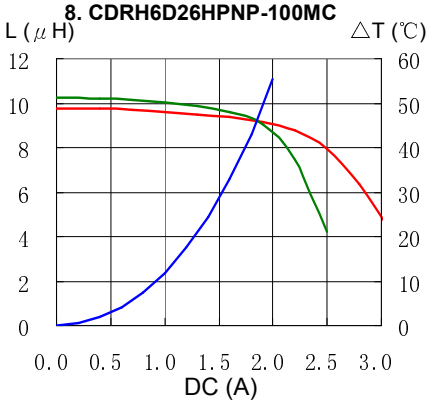
6. CDRH6D26HPNP-6R8PC



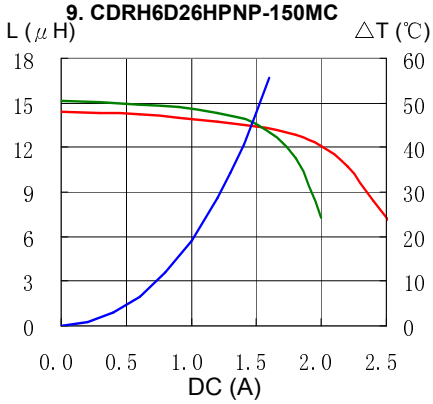
7. CDRH6D26HPNP-8R2PC



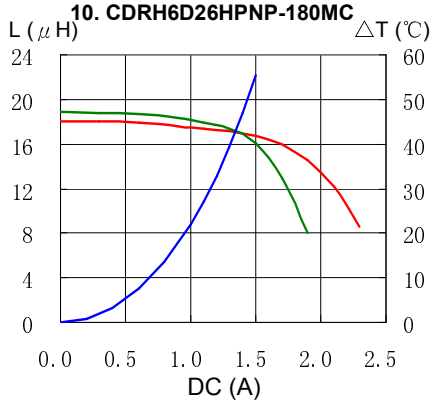
8. CDRH6D26HPNP-100MC



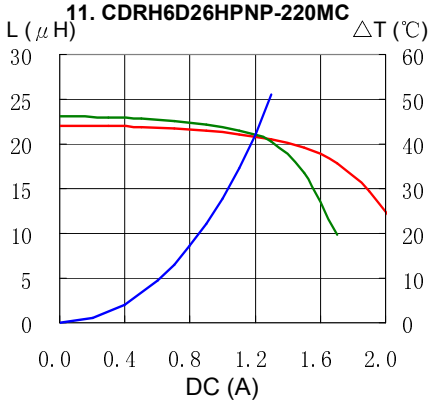
9. CDRH6D26HPNP-150MC



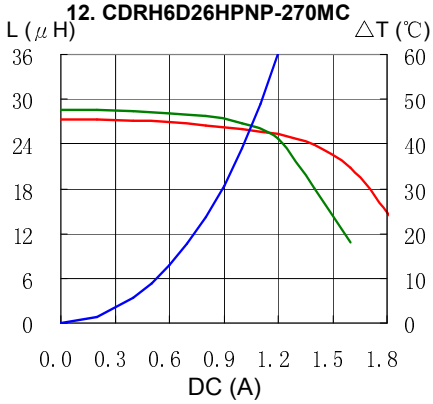
10. CDRH6D26HPNP-180MC



11. CDRH6D26HPNP-220MC



12. CDRH6D26HPNP-270MC



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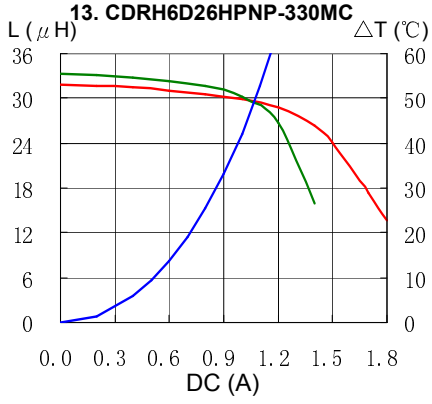
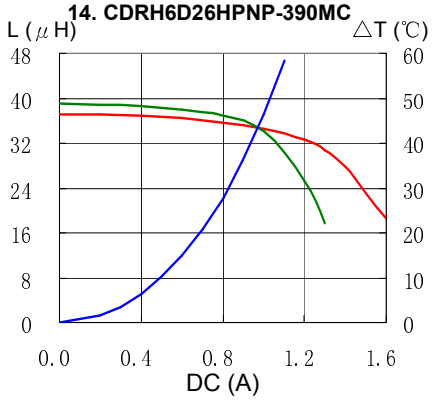
Saturation Current & Temperature Rise Graph

L (20℃) L (100℃) △T

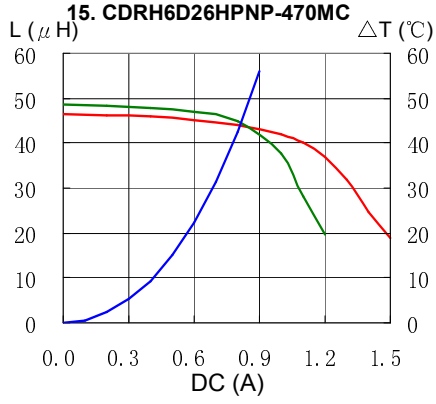
13. CDRH6D26HPNP-330MC



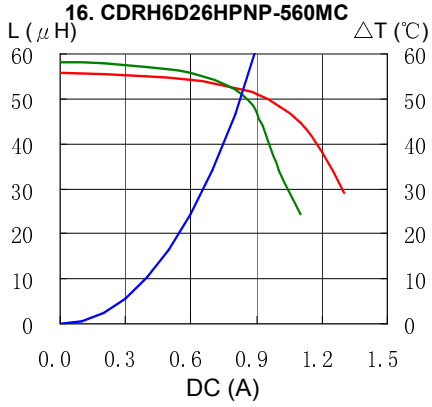
14. CDRH6D26HPNP-390MC



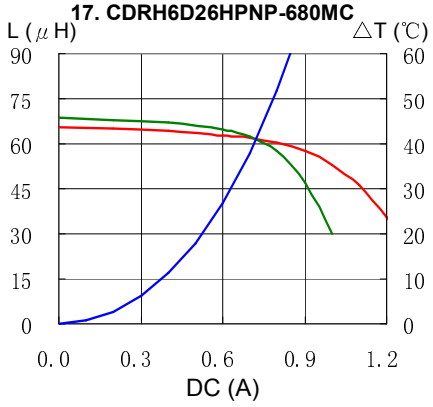
15. CDRH6D26HPNP-470MC



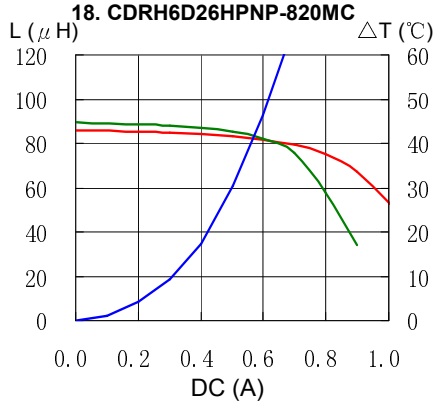
16. CDRH6D26HPNP-560MC



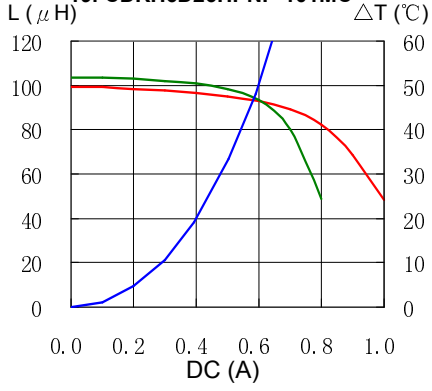
17. CDRH6D26HPNP-680MC



18. CDRH6D26HPNP-820MC



19. CDRH6D26HPNP-101MC



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Solder Reflow Condition