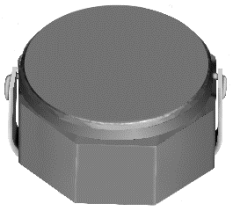
SMD Power Inductor

CDRH8D43HP

Description

- Ferrite drum core construction.
- Magnetically shielded.
- L × W × H:8.3 × 8.3 × 4.7 mm Max.
- Product weight: 1.0g (Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.



Environmental Data

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

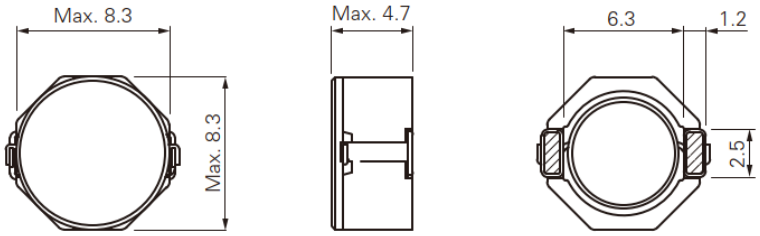
Packaging

- Carrier tape and reel packaging
- 13"diameter reel
- 500pcs per reel

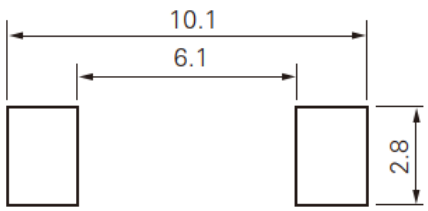
Applications

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

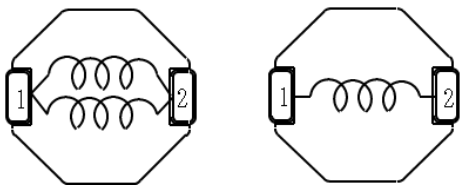
Dimension - [mm]



Land patterns - [mm]



Schematics



（1.2μH～10μH）　（15μH～68μH）

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SMD Power Inductor

CDRH8D43HP

Electrical Characteristics

Part Name	Inductance (μH) [within] ※1	D.C.R. mΩ) Max. (Typ.) at 20℃	Saturation Current (A) Max. (Typ.) ※2		Temperature Rise Current (A) (Typ.) ※3
			at 20℃	at 100℃	
CDRH8D43HPNP-1R2NC	1.2 ± 30%	16.5 (12.3)	12.6 (16.8)	10.8 (13.1)	(5.60)
CDRH8D43HPNP-2R7NC	2.7 ± 30%	19.5(15.9)	8.60 (11.5)	7.00 (9.10)	(5.10)
CDRH8D43HPNP-4R7NC	4.7 ± 30%	27.0 (20.7)	6.20 (8.80)	5.20 (6.90)	(3.90)
CDRH8D43HPNP-6R8NC	6.8 ± 30%	36.0 (31.2)	5.60 (7.35)	4.50 (5.50)	(3.30)
CDRH8D43HPNP-100NC	10 ± 30%	53.0 (44.4)	4.30 (5.80)	3.50 (4.40)	(2.50)
CDRH8D43HPNP-150NC	15 ± 30%	75.0 (64.4)	3.70 (4.90)	2.90 (3.65)	(2.00)
CDRH8D43HPNP-220NC	22 ± 30%	125 (103)	3.00 (4.00)	2.40 (3.00)	(1.50)
CDRH8D43HPNP-330NC	33 ± 30%	150 (123)	2.50 (3.35)	2.00 (2.50)	(1.40)
CDRH8D43HPNP-470NC	47 ± 30%	238 (183)	2.00 (2.65)	1.60 (2.00)	(1.20)
CDRH8D43HPNP-680NC	68 ± 30%	363 (294)	1.60 (2.20)	1.40 (1.70)	(0.80)

※1 Inductance measuring condition: at 100kHz.

※2 The saturation current: This indicates the value of DC current when the inductance decreases to 65% of its initial value.

※3 The temperature rise: The value of DC current when the temperature rise is △T＝40℃ (Ta＝20℃).

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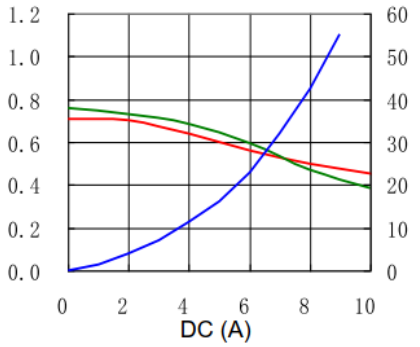
SMD Power Inductor

CDRH8D43HP

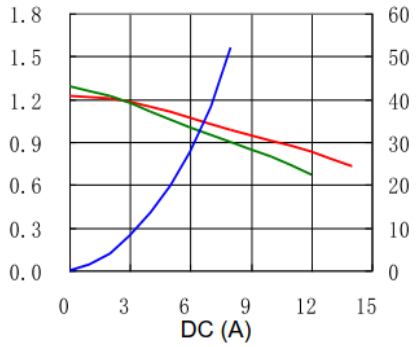
Saturation Current & Temperature Rise Graph

L (20℃) L (100℃) △T

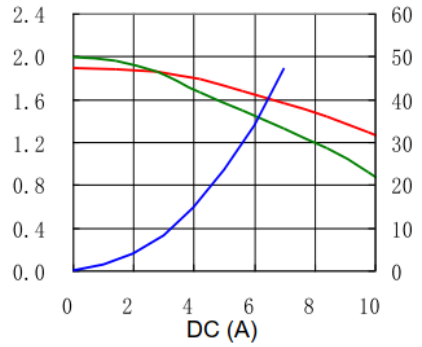
1. CDRH8D43NP-R68NC



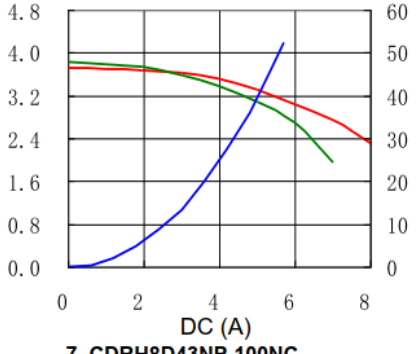
2. CDRH8D43NP-1R2NC



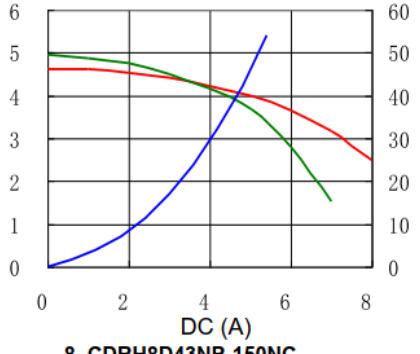
3. CDRH8D43NP-2R0NC



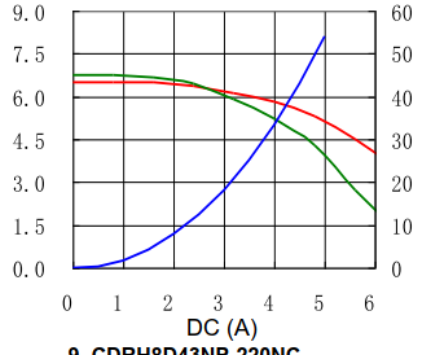
4. CDRH8D43NP-3R9NC



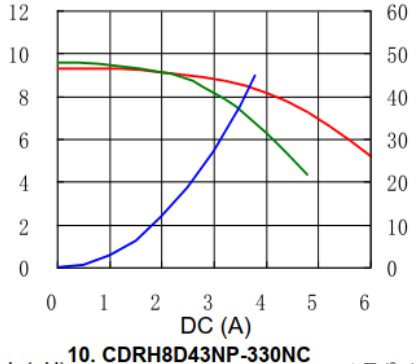
5. CDRH8D43NP-4R7NC



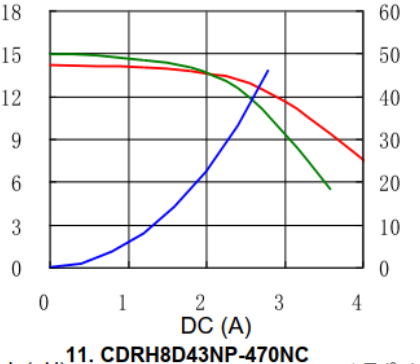
6. CDRH8D43NP-6R8NC



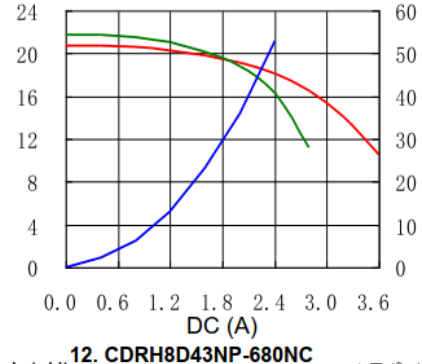
7. CDRH8D43NP-100NC



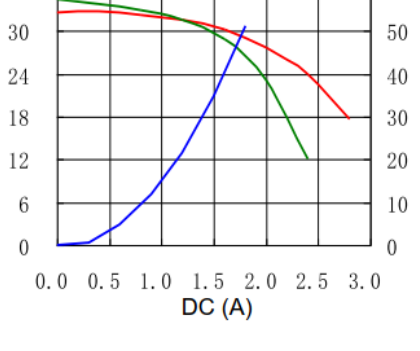
8. CDRH8D43NP-150NC



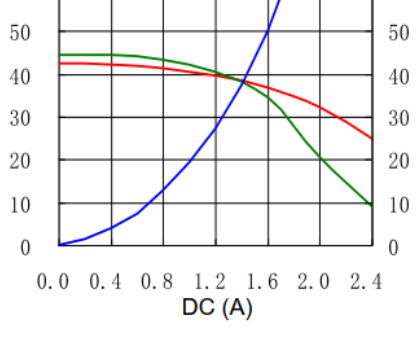
9. CDRH8D43NP-220NC



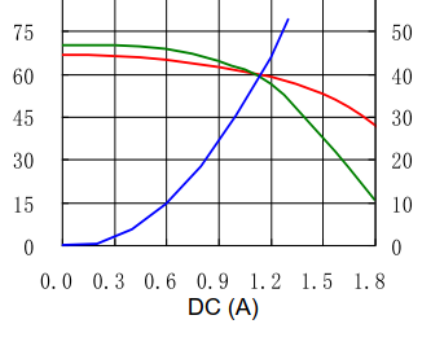
10. CDRH8D43NP-330NC



11. CDRH8D43NP-470NC



12. CDRH8D43NP-680NC

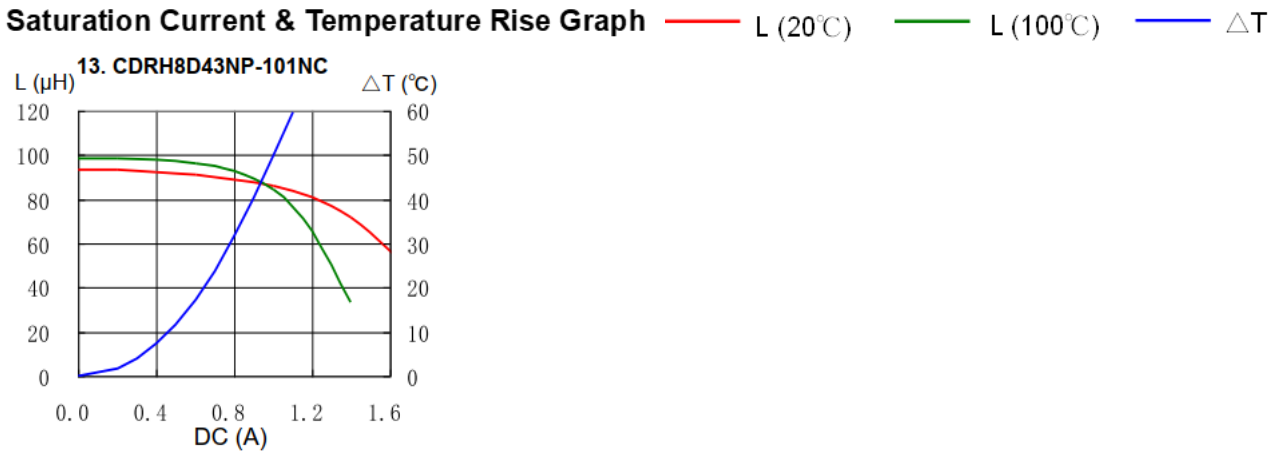


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SMD Power Inductor

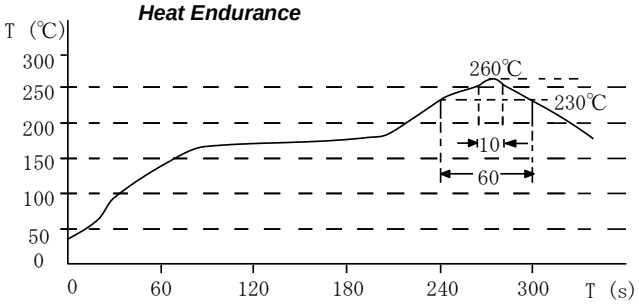
CDRH8D43HP

Saturation Current & Temperature Rise Graph

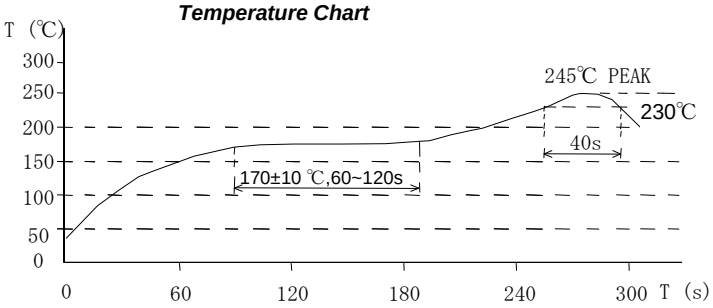


Solder Reflow Condition

Heat Endurance



Temperature Chart



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