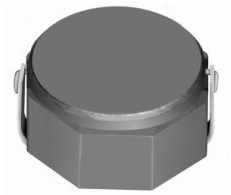
THE DATASHEET OF

CDRH8D43NP-150NC

SMD Power Inductor
CDRH8D43



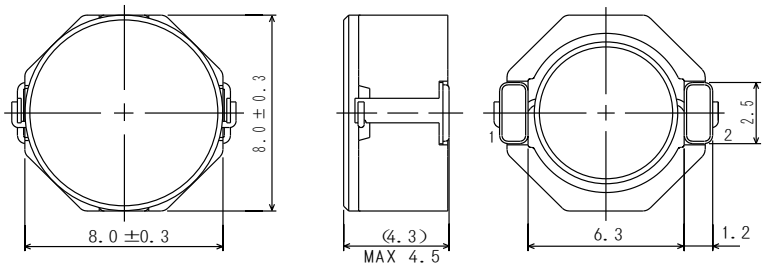
Description
- Ferrite drum core construction.
- Magnetically shielded.
- L × W × H:8.3 × 8.3 × 4.5 mm Max.
- Product weight: 0.93g(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.

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

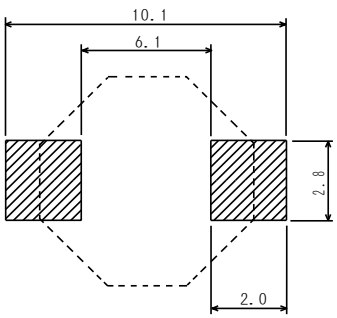
Packaging
- Carrier tape and reel packaging
- 13"diameter reel
- 500pcs per reel

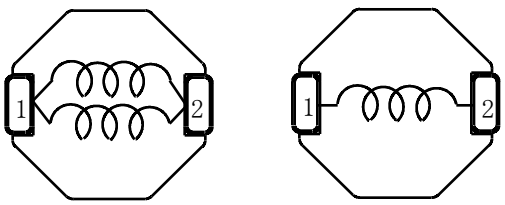
Applications
- Ideally used in Mobile phone, MP3, PDA , HDD,DSC/DVC, etc as DC-DC converter inductors.

Dimension - [mm]



Land pattern and Schematics - [mm]





(0.68μH～15μH) (22μH～100μH)

Electrical Characteristics

Part Name	Stamp	Inductance (μH) [within] ※1	D.C.R. (mΩ) Max. (Typ.) (at 20℃)	Saturation Current (A) ※2 (Typ.)	Temperature Rise Current (A) ※3
CDRH8D43NP-R68NC	R68	0.68±35%	9.5(7.0)	9.0(10.80)	7.60
CDRH8D43NP-1R2NC	1R2	1.2±35%	12.2(9.0)	8.0(10.50)	7.00
CDRH8D43NP-2R0NC	2R0	2.0±30%	14(11)	7.0(9.00)	6.30
CDRH8D43NP-3R9NC	3R9	3.9±30%	19(15)	5.9(7.50)	4.90
CDRH8D43NP-4R7NC	4R7	4.7±30%	22(17)	5.6(7.20)	4.60
CDRH8D43NP-6R8NC	6R8	6.8±30%	25(20)	4.4(5.80)	4.30
CDRH8D43NP-100NC	100	10±30%	36(29)	4.0(5.50)	3.50
CDRH8D43NP-150NC	150	15±30%	53(42)	2.9(3.60)	2.55
CDRH8D43NP-220NC	220	22±30%	75(60)	2.6(3.25)	2.10
CDRH8D43NP-330NC	330	33±30%	125(100)	2.2(2.60)	1.55
CDRH8D43NP-470NC	470	47±30%	150(120)	1.8(2.25)	1.42
CDRH8D43NP-680NC	680	68±30%	240(190)	1.5(1.76)	1.15
CDRH8D43NP-101NC	101	100±30%	360(290)	1.3(1.55)	0.88

※1. Inductance measuring conditions at 100kHz.

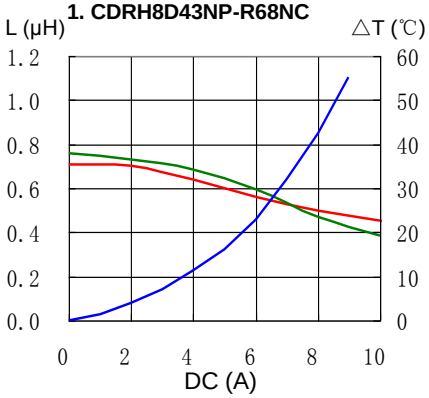
※2. Saturation current: The DC current at which the inductance decreases to 65% of its nominal value.

※3. Temperature rise current: The actual DC current at which the temperature rise is △t＝40℃.(Ta＝20℃)

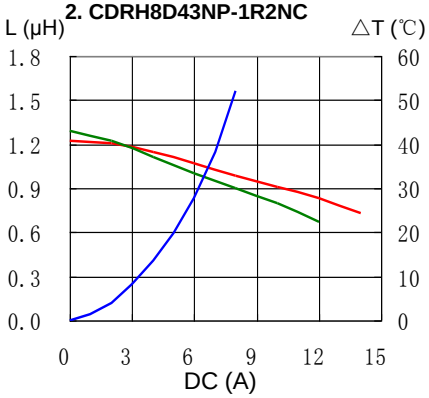
Saturation Current & Temperature Rise Graph

L (20℃) L (100℃) △T

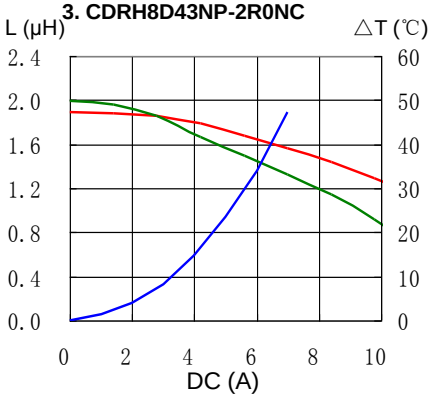
1. CDRH8D43NP-R68NC



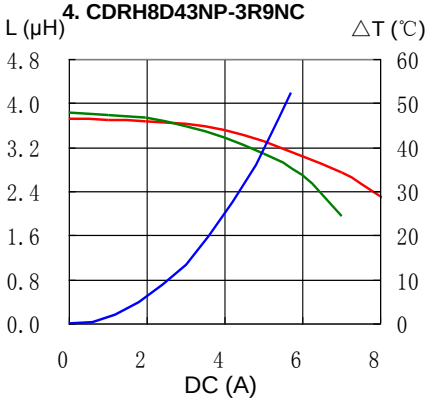
2. CDRH8D43NP-1R2NC



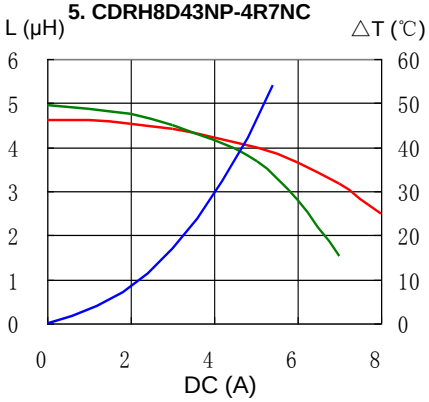
3. CDRH8D43NP-2R0NC



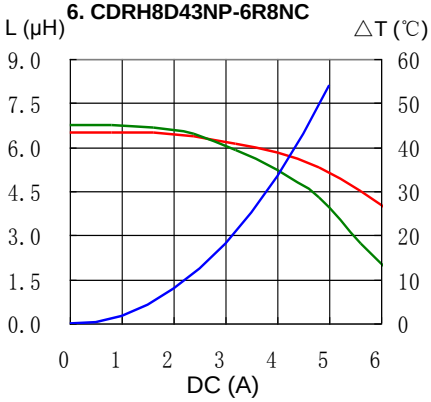
4. CDRH8D43NP-3R9NC



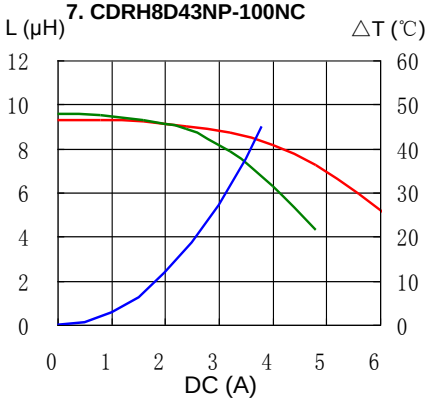
5. CDRH8D43NP-4R7NC



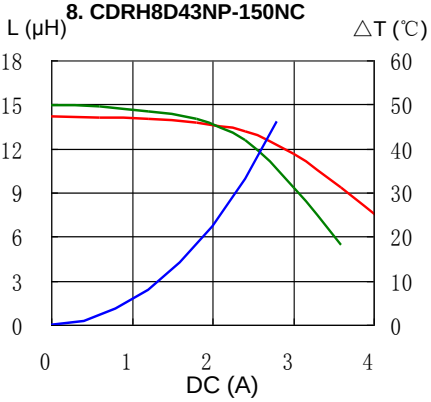
6. CDRH8D43NP-6R8NC



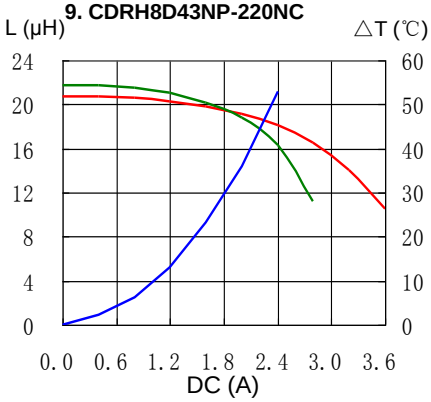
7. CDRH8D43NP-100NC



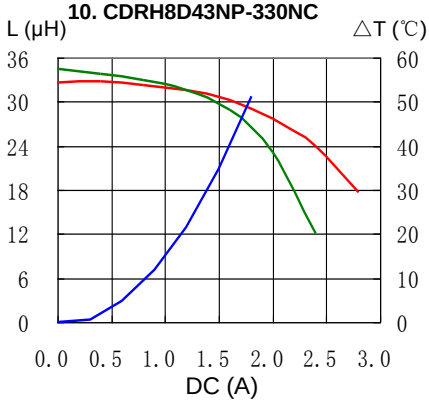
8. CDRH8D43NP-150NC



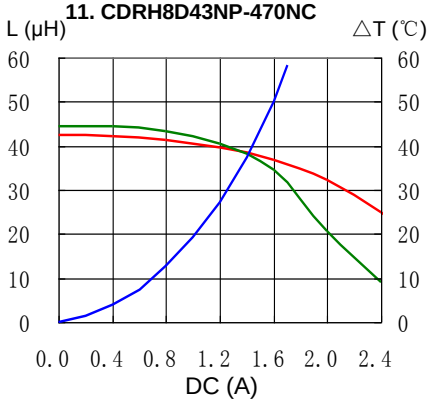
9. CDRH8D43NP-220NC



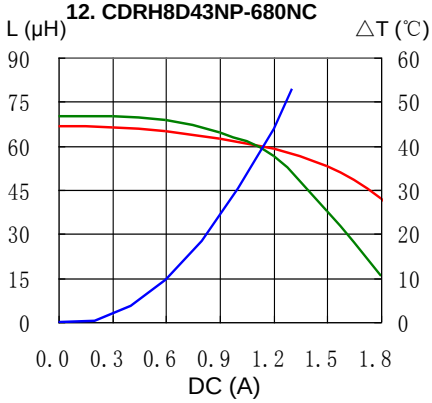
10. CDRH8D43NP-330NC



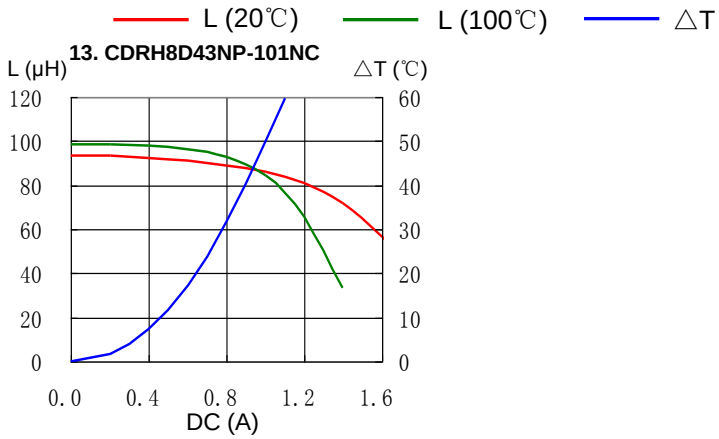
11. CDRH8D43NP-470NC



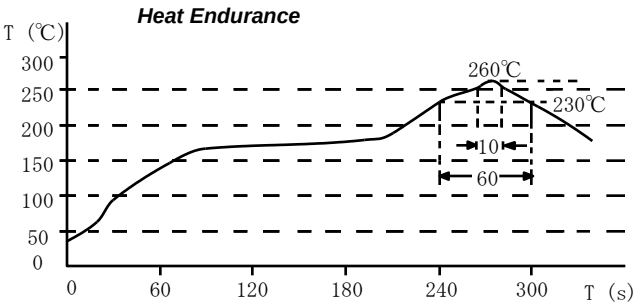
12. CDRH8D43NP-680NC

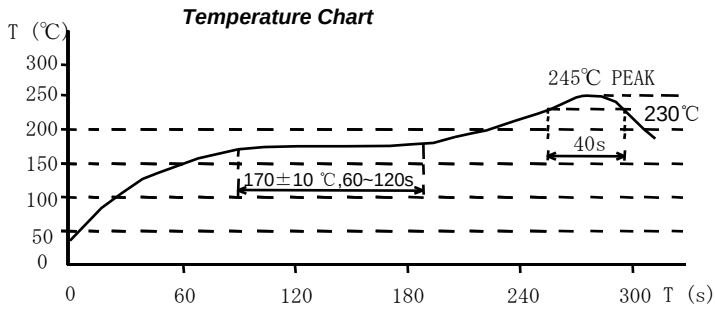


Saturation Current & Temperature Rise Graph



Solder Reflow Condition





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