SMD Power Inductor

CDRH8D43R/T125

Recommended Type



Description

- Ferrite drum core construction
- Magnetically shielded
- L×W×H:8.5×8.3 ×4.5 mm Max.
- Product weight: 1.0g(Ref.)
- Moisture Sensitivity Level: 1

Environmental Data

- Operating Temperature: -40˚C to +125˚C (including self-heating)
- Storage temperature range: -40℃～+125℃

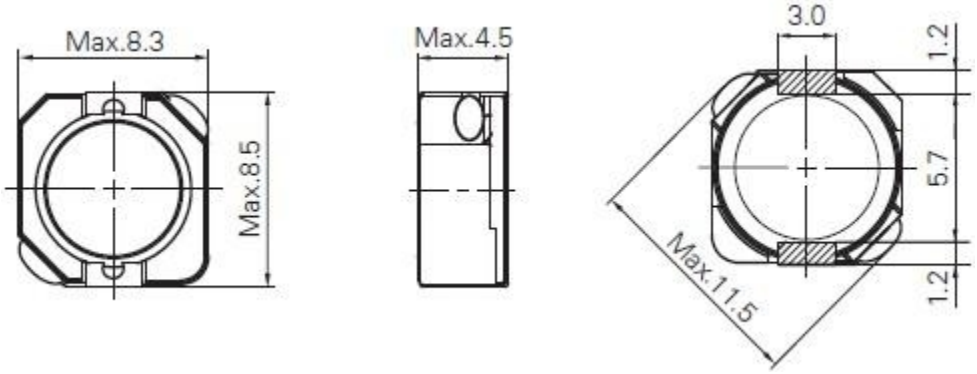
Packaging

- Carrier tape and reel packaging

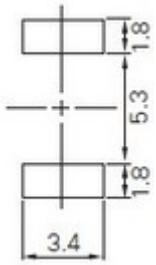
Applications

- High temp and high reliability automotive applications

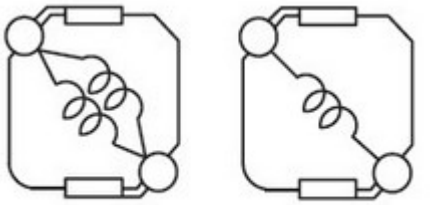
Dimension - [mm]



Recommended Land pattern - [mm]



Wire Connection



(1.0μH - 10μH) (15μH - 330μH)

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Electrical Characteristics

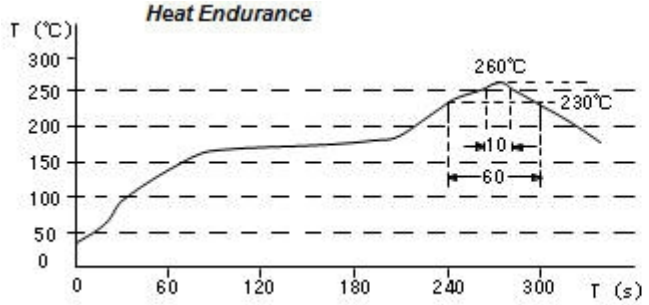
Part Number	Inductance [Within] (μH) ※1	D.C.R. at 20℃ Max.(Typ.) (mΩ)	Saturation Current (A) Max.(Typ.) ※2	Temperature Rise Current (A) Max.(Typ.) ※3
CDRH8D43RT125NP-1R0NC	1.00 ± 30%	9.70 (7.80)	8.00 (13.20)	7.50 (8.50)
CDRH8D43RT125NP-1R8NC	1.80 ± 30%	12.10 (9.70)	7.30 (9.60)	6.40 (7.30)
CDRH8D43RT125NP-2R4NC	2.40 ± 30%	14.00 (11.20)	7.10 (8.50)	5.80 (6.50)
CDRH8D43RT125NP-3R3NC	3.30 ± 30%	16.30 (13.00)	6.10 (7.20)	5.20 (5.70)
CDRH8D43RT125NP-4R3NC	4.30 ± 30%	23.50 (18.80)	5.40 (6.40)	4.30 (4.90)
CDRH8D43RT125NP-5R6NC	5.60 ± 30%	26.90 (21.50)	4.50 (5.40)	3.70 (4.20)
CDRH8D43RT125NP-6R8NC	6.80 ± 30%	29.80 (23.90)	4.20 (4.90)	3.45 (3.90)
CDRH8D43RT125NP-8R2NC	8.20 ± 30%	40.80 (32.60)	4.00 (4.60)	2.85 (3.20)
CDRH8D43RT125NP-100MC	10.00 ± 20%	45.00 (36.00)	3.50 (4.00)	2.70 (3.00)
CDRH8D43RT125NP-150MC	15.00 ± 20%	61.80 (49.40)	2.90 (3.30)	2.30 (2.60)
CDRH8D43RT125NP-220MC	22.00 ± 20%	77.60 (62.00)	2.35 (2.70)	2.05 (2.30)
CDRH8D43RT125NP-330MC	33.00 ± 20%	123 (98.50)	1.95 (2.20)	1.55 (1.80)
CDRH8D43RT125NP-470MC	47.00 ± 20%	186 (149)	1.60 (1.80)	1.30 (1.40)
CDRH8D43RT125NP-680MC	68.00 ± 20%	288 (231)	1.30 (1.50)	1.03 (1.10)
CDRH8D43RT125NP-101MC	100 ± 20%	353 (282)	1.10 (1.30)	0.93 (1.00)
CDRH8D43RT125NP-151MC	150 ± 20%	575 (460)	0.91 (1.00)	0.76 (0.90)
CDRH8D43RT125NP-221MC	220 ± 20%	861 (689)	0.75 (0.85)	0.60 (0.65)
CDRH8D43RT125NP-331MC	330 ± 20%	1330 (1068)	0.62 (0.70)	0.48 (0.54)

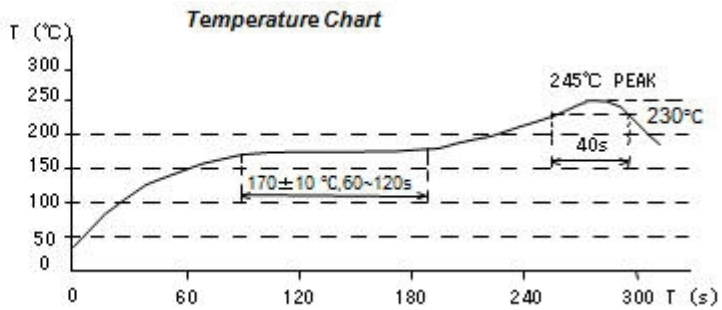
※1.Inductance measuring condition: at 100kHz.

※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℃).

Solder Reflow Condition





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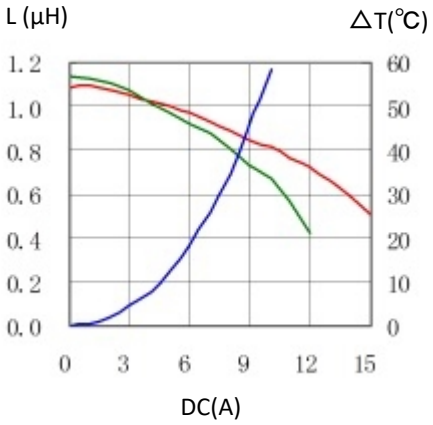
CDRH8D43R/T125

Recommended Type

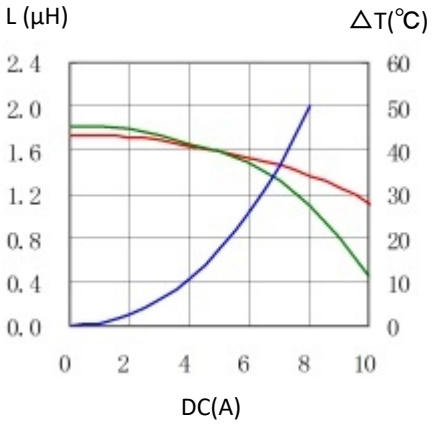
Saturation Current & Temperature Rise Graph

L (20°C) L (125°C) ΔT

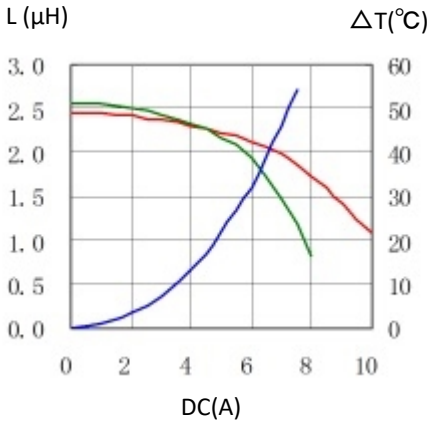
1. CDRH8D43RT125NP-1R0NC



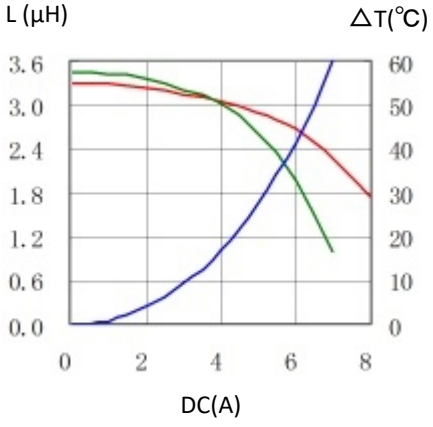
2. CDRH8D43RT125NP-1R8NC



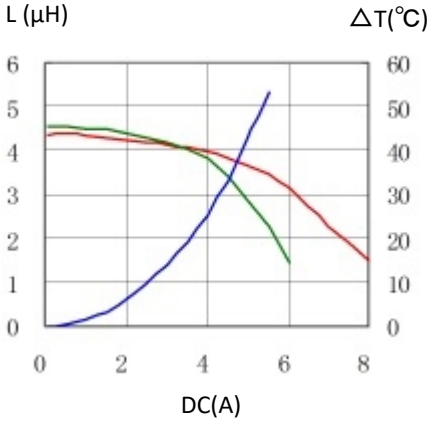
3. CDRH8D43RT125NP-2R4NC



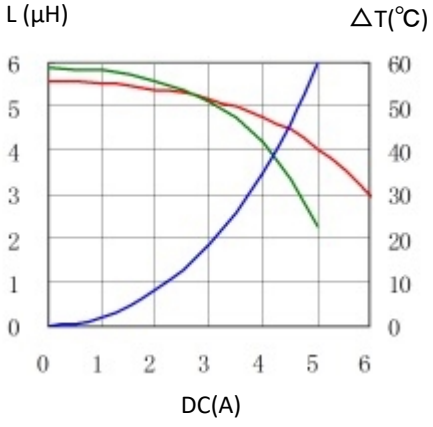
4. CDRH8D43RT125NP-3R3NC



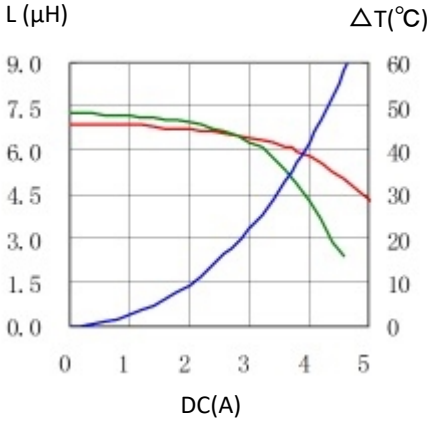
5. CDRH8D43RT125NP-4R3NC



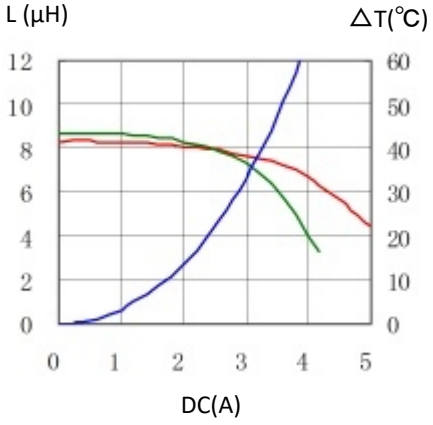
6. CDRH8D43RT125NP-5R6NC



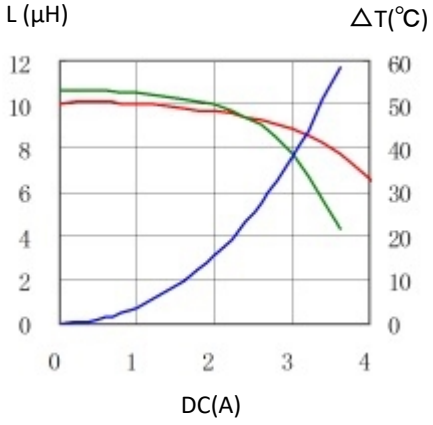
7. CDRH8D43RT125NP-6R8NC



8. CDRH8D43RT125NP-8R2NC



9. CDRH8D43RT125NP-100MC



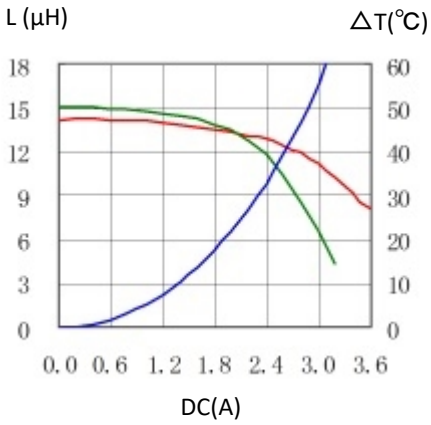
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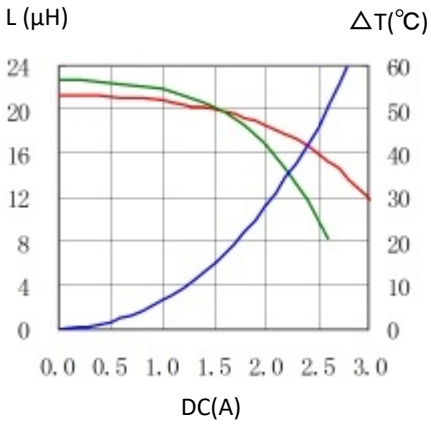
CDRH8D43R/T125

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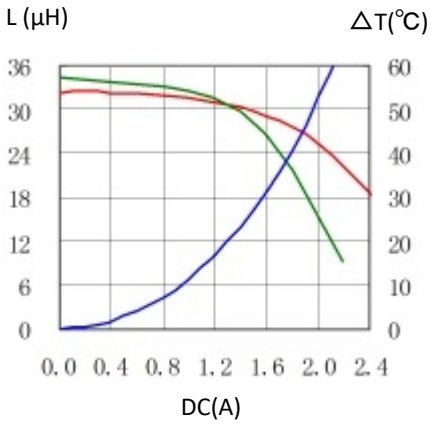
10. CDRH8D43RT125NP-150MC



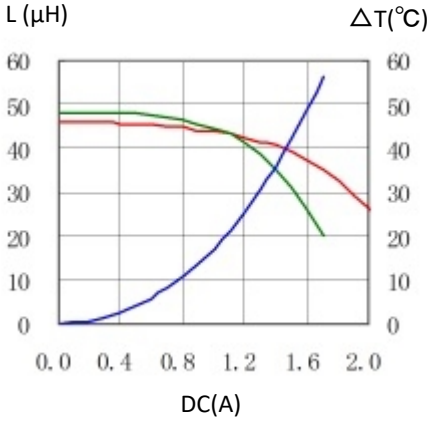
11. CDRH8D43RT125NP-220MC



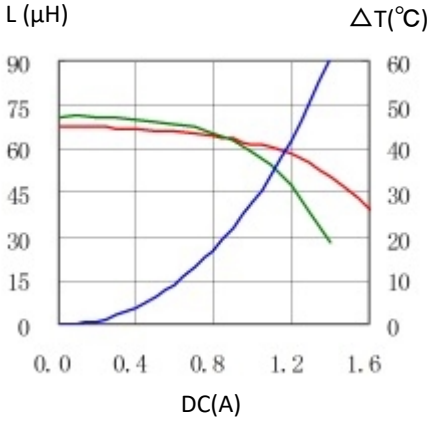
12. CDRH8D43RT125NP-330MC



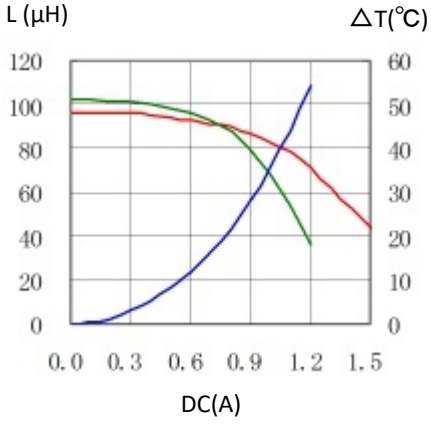
13. CDRH8D43RT125NP-470MC



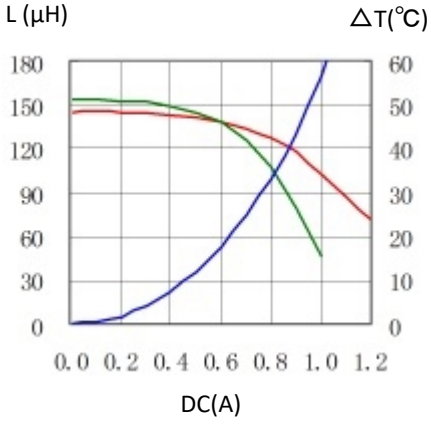
14. CDRH8D43RT125NP-680MC



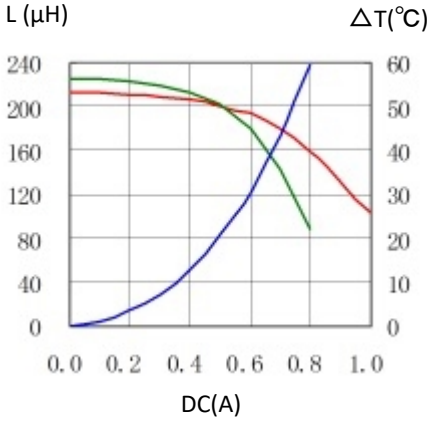
15. CDRH8D43RT125NP-101MC



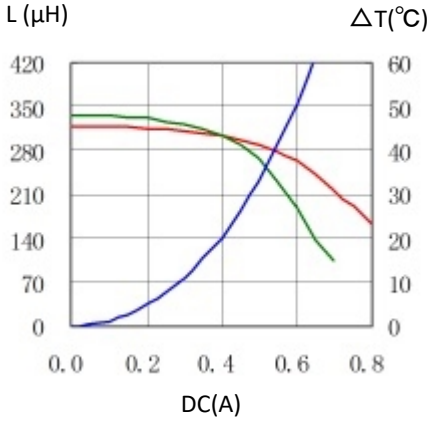
16. CDRH8D43RT125NP-151MC



17. CDRH8D43RT125NP-221MC



18. CDRH8D43RT125NP-331MC



For sales office information, please click here to visit our website.