SMD Power Inductor

CDMPIH10D38

Recommended Type



Description

- Ferrite core construction
- Magnetically shielded
- L×W×H:10.7×10.3×4.0mm Max.
- Product weight: 1.8g(Ref.)
- Moisture Sensitivity Level: 1

Environmental Data

- Operating temperature range: -40℃~+125℃ (including coil's self temperature rise)
- Storage temperature range: -40℃~+125℃

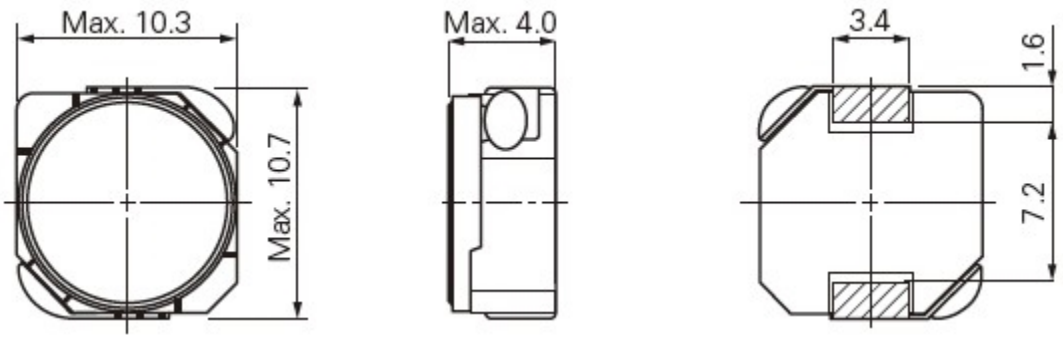
Packaging

- Carrier tape and reel packaging
- 500pcs per reel

Applications

- The Lens drive motor of mirror less signle-lens reflex camera.
- Auto focus ultrasonic waves motor for DC-DC converter.

Dimension - [mm]



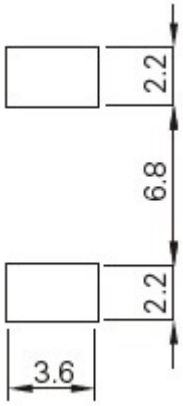
Note: This specification is subject to change without notice. Please contact your nearest sales office for updated information when placing an order.

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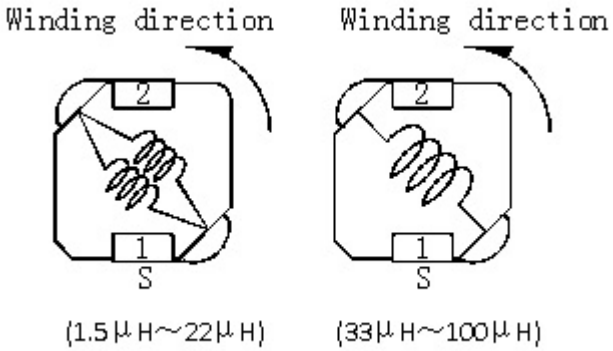
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Recommended Land pattern - [mm]



Wire Connection



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Electrical Characteristics

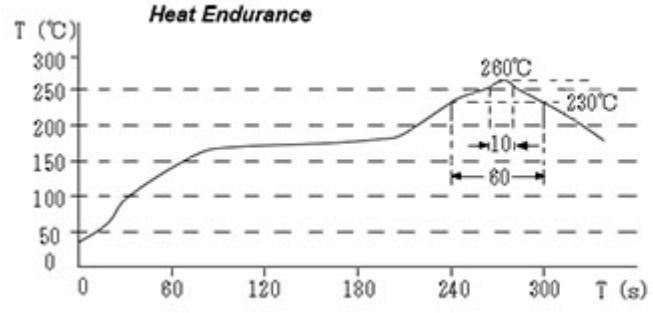
Part Number	Inductance [Within] (μH) ※1	D.C.R. at 20℃ Max.(Typ.) (mΩ)	Saturation Current (A) Max.(Typ.) ※2	Temperature Rise Current (A) Max.(Typ.) ※3
CDMPIH10D38NP-1R5PC	1.50 ± 25%	16.80 (13.50)	10.40 (13.00)	(6.70)
CDMPIH10D38NP-2R2PC	2.20 ± 25%	19.30 (15.50)	9.30 (11.60)	(6.00)
CDMPIH10D38NP-2R7PC	2.70 ± 25%	23.70 (19.00)	8.60 (10.80)	(5.20)
CDMPIH10D38NP-3R6PC	3.60 ± 25%	27.80 (22.30)	7.60 (9.50)	(4.80)
CDMPIH10D38NP-4R7PC	4.70 ± 25%	32.10 (25.70)	6.70 (8.40)	(4.30)
CDMPIH10D38NP-6R2PC	6.20 ± 25%	40.50 (32.40)	5.90 (7.40)	(3.90)
CDMPIH10D38NP-100MC	10.00 ± 20%	58.80 (49.00)	4.60 (5.80)	(3.00)
CDMPIH10D38NP-150MC	15.00 ± 20%	75.60 (63.00)	3.70 (4.60)	(2.60)
CDMPIH10D38NP-220MC	22.00 ± 20%	110.80 (92.40)	3.00 (3.70)	(2.20)
CDMPIH10D38NP-330MC	33.00 ± 20%	165.30 (137.80)	2.60 (3.20)	(1.70)
CDMPIH10D38NP-470MC	47.00 ± 20%	221 (184.20)	2.20 (2.70)	(1.50)
CDMPIH10D38NP-680MC	68.00 ± 20%	280 (233.40)	1.80 (2.20)	(1.30)
CDMPIH10D38NP-101MC	100 ± 20%	416.60 (347.20)	1.40 (1.80)	(1.10)

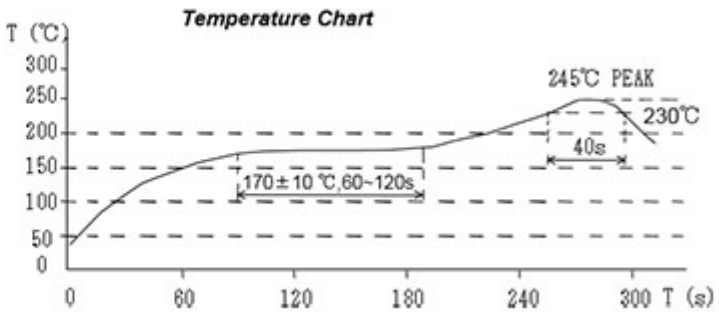
※1 Measuring conditions Inductance at 100kHz 1V.

※2 Saturation current: This indicates the value of D.C. current when the inductance becomes 30% lower than its initial value. (Ta=20℃).

※3 Temperature rise current: The actual value of D.C. current when the temperature of coil becomes △T=40℃.(Ta=20℃).

Solder Reflow Condition





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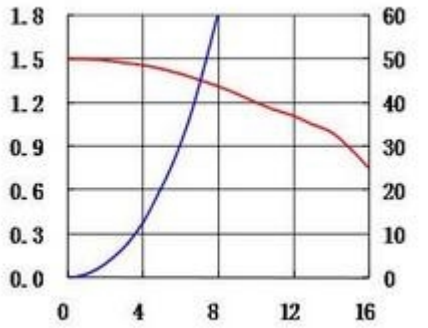
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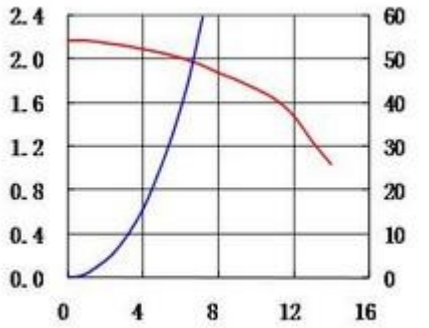
Saturation Current & Temperature Rise Graph

L (20°C) ΔT

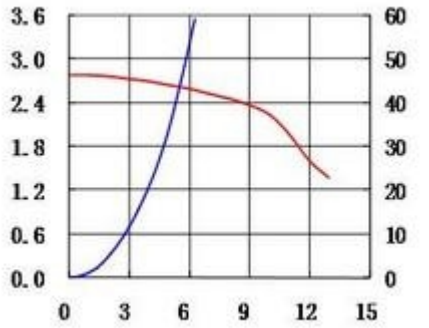
1. CDMPIH10D38NP-1R5PC



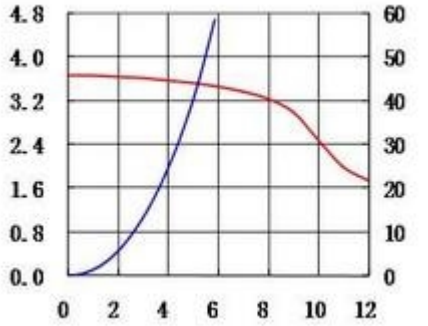
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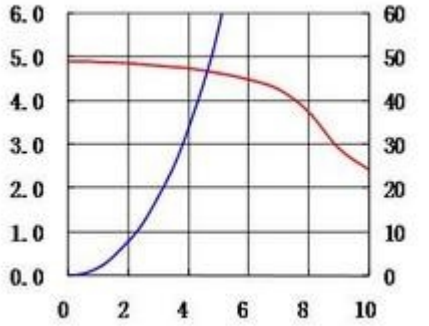
3. CDMPIH10D38NP-2R7PC



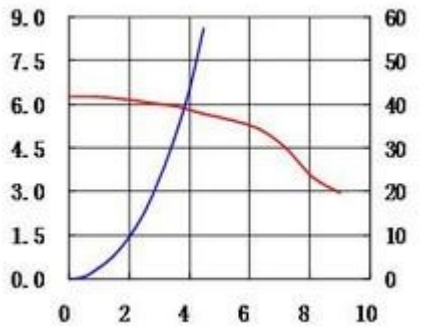
4. CDMPIH10D38NP-3R6PC



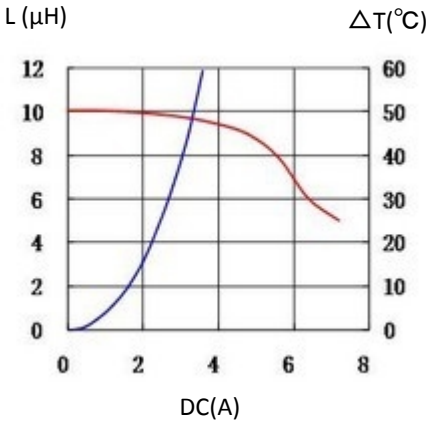
5. CDMPIH10D38NP-4R7PC



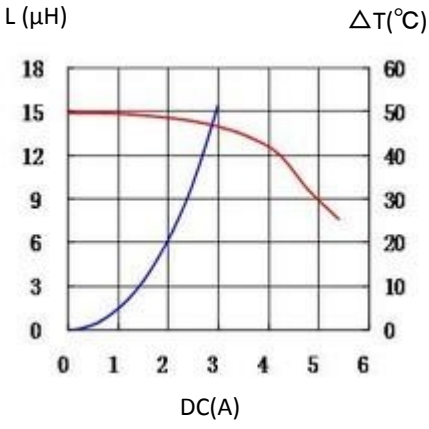
6. CDMPIH10D38NP-6R2PC



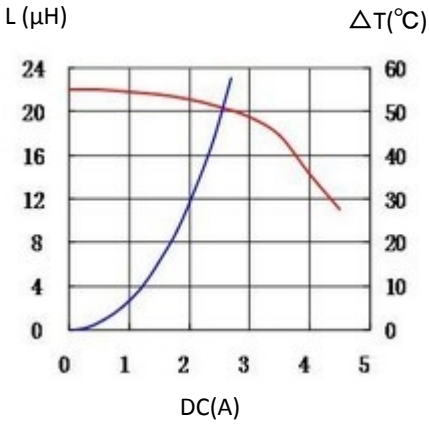
7. CDMPIH10D38NP-100MC



8. CDMPIH10D38NP-150MC



9. CDMPIH10D38NP-220MC

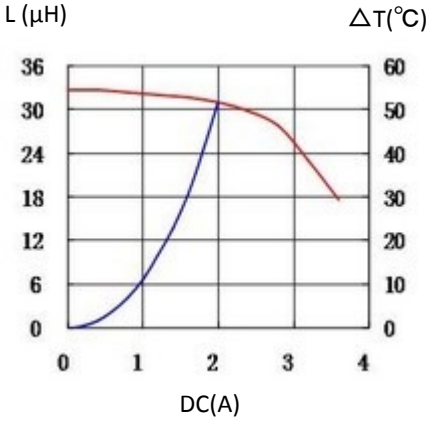


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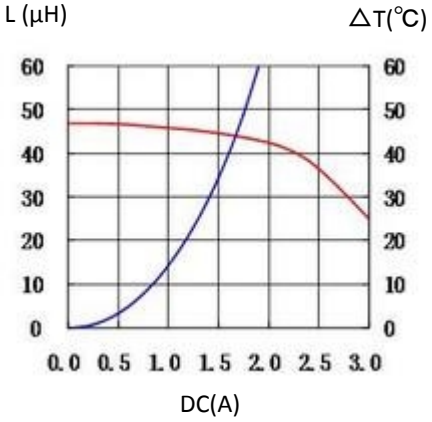
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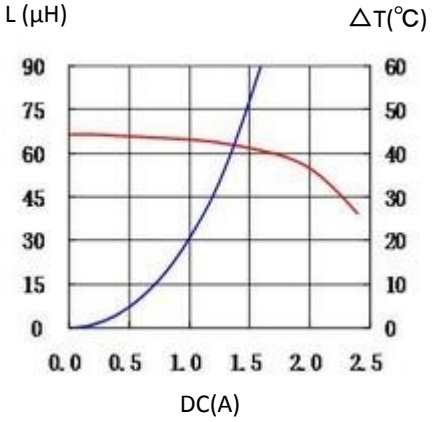
10. CDMPIH10D38NP-330MC



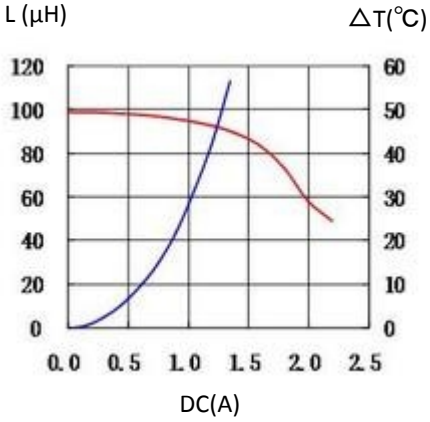
11. CDMPIH10D38NP-470MC



12. CDMPIH10D38NP-680MC



13. CDMPIH10D38NP-101MC



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