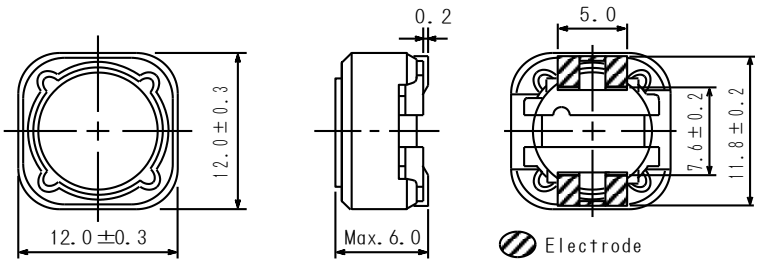
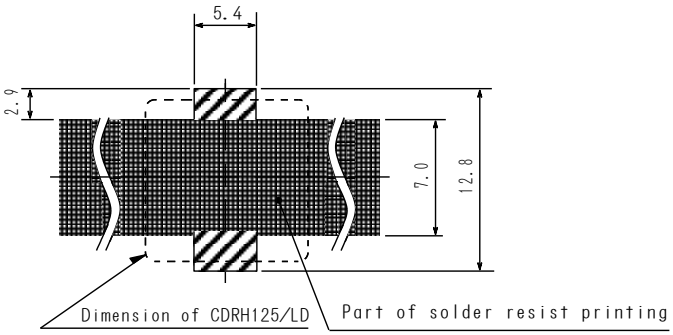
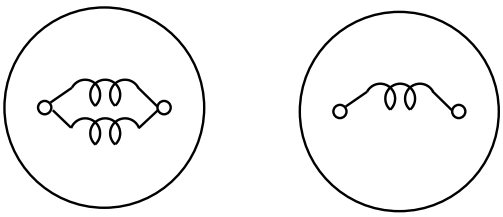
SMD Power Inductor
CDRH125/LD

Dimension - [mm]



Land pattern and Schematics - [mm]





7.5μH ~ 56μH　　68μH～1000μH

Description
- Ferrite drum core construction.
- Magnetically shielded.
- L × W × H: 12.3 × 12.3 × 6.0 mm Max.
- Product weight:　2.9g(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 Notebook PC, LCD TV,DVD, Game machine, STB ,Projector etc. as converter inductors.

Revised: 10-Jan-17

Electrical Characteristics

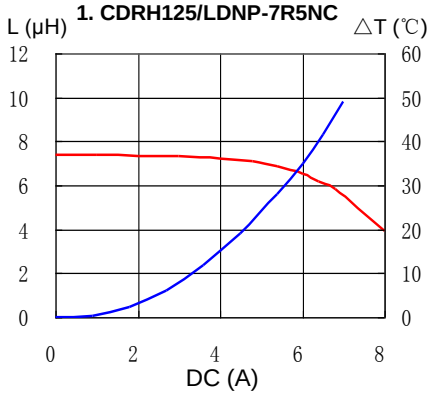
Part No.	Stamp	Inductance (μH) [within] ※1	D.C.R (Ω) [Max.] (Typ.)	Rated Current (A) ※2
CDRH125/LDNP-7R5NC	7R5	7.5±30%	19.0m(14.7m)	5.60
CDRH125/LDNP-100NC	100	10±30%	29.0m(22.5m)	4.60
CDRH125/LDNP-120MC	120	12±20%	32.0m(24.6m)	4.20
CDRH125/LDNP-150MC	150	15±20%	35.0m(27.1m)	4.00
CDRH125/LDNP-180MC	180	18±20%	41.0m(31.8m)	3.56
CDRH125/LDNP-220MC	220	22±20%	44.0m(33.9m)	3.28
CDRH125/LDNP-270MC	270	27±20%	52.0m(41.5m)	3.00
CDRH125/LDNP-330MC	330	33±20%	65.0m(50.0m)	2.60
CDRH125/LDNP-390MC	390	39±20%	75.0m(60.0m)	2.40
CDRH125/LDNP-470MC	470	47±20%	95.0m(72.5m)	2.30
CDRH125/LDNP-560MC	560	56±20%	125m(95.4m)	2.00
CDRH125/LDNP-680MC	680	68±20%	0.140(0.11)	1.85
CDRH125/LDNP-820MC	820	82±20%	0.157(0.121)	1.70
CDRH125/LDNP-101MC	101	100±20%	0.187(0.144)	1.60
CDRH125/LDNP-121MC	121	120±20%	0.228(0.175)	1.37
CDRH125/LDNP-151MC	151	150±20%	0.280(0.218)	1.26
CDRH125/LDNP-181MC	181	180±20%	0.335(0.259)	1.14
CDRH125/LDNP-221MC	221	220±20%	0.395(0.303)	1.08
CDRH125/LDNP-271MC	271	270±20%	0.520(0.403)	0.94
CDRH125/LDNP-331MC	331	330±20%	0.710(0.547)	0.85
CDRH125/LDNP-391MC	391	390±20%	0.800(0.614)	0.77
CDRH125/LDNP-471MC	471	470±20%	0.920(0.711)	0.72
CDRH125/LDNP-561MC	561	560±20%	1.20(0.956)	0.67
CDRH125/LDNP-681MC	681	680±20%	1.35(1.08)	0.57
CDRH125/LDNP-821MC	821	820±20%	1.40(1.17)	0.51
CDRH125/LDNP-102MC	102	1000±20%	1.95(1.62)	0.46

※1. Inductance measuring condition: Inductance≦10μH at 7.96MHz; Inductance>10μH at 100kHz
※2. Rated current: The DC current at which the inductance decreases to 75% of its nominal value or when △t=40℃, whichever is lower .

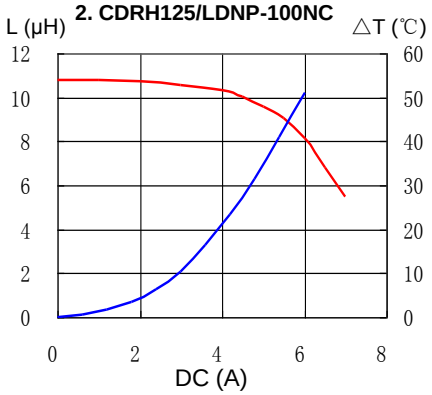
Saturation Current & Temperature Rise Graph

L (20℃) △T

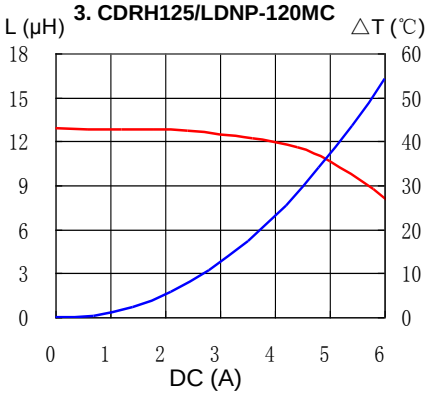
1. CDRH125/LDNP-7R5NC



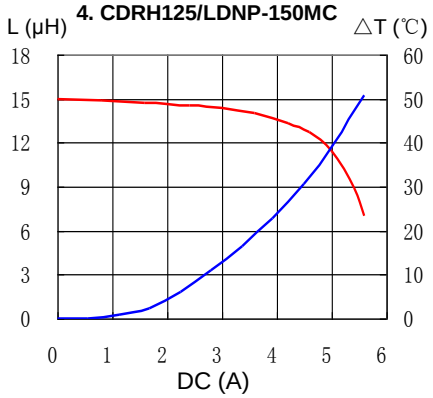
2. CDRH125/LDNP-100NC



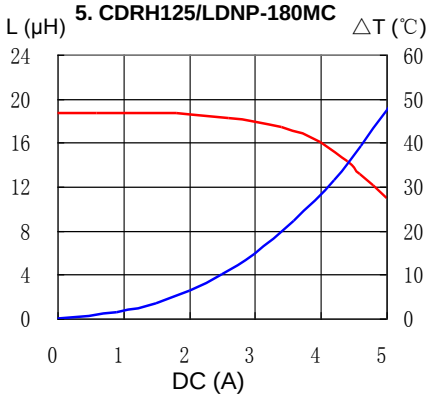
3. CDRH125/LDNP-120MC



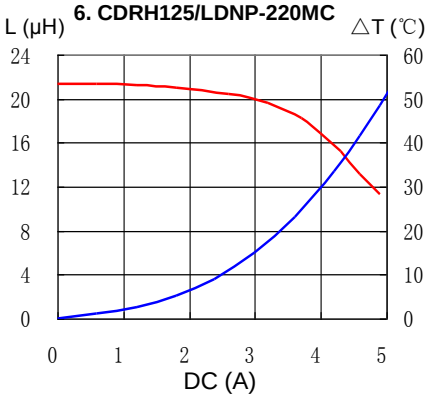
4. CDRH125/LDNP-150MC



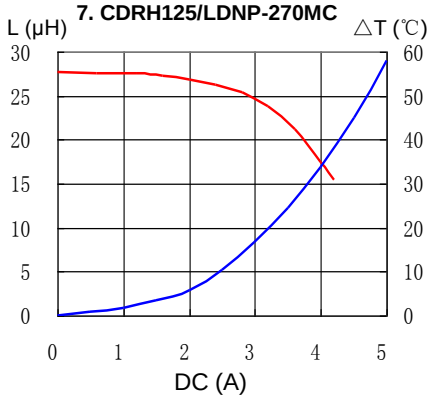
5. CDRH125/LDNP-180MC



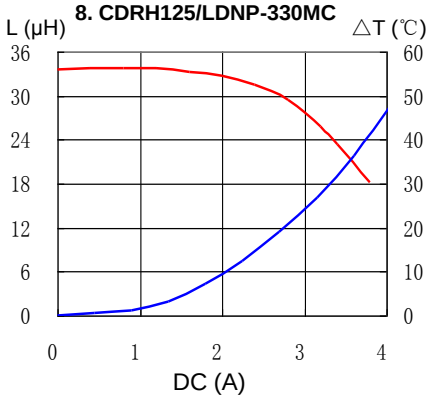
6. CDRH125/LDNP-220MC



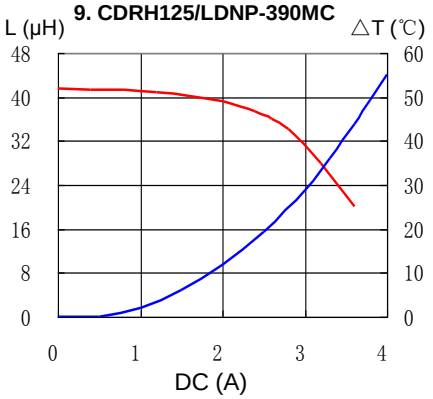
7. CDRH125/LDNP-270MC



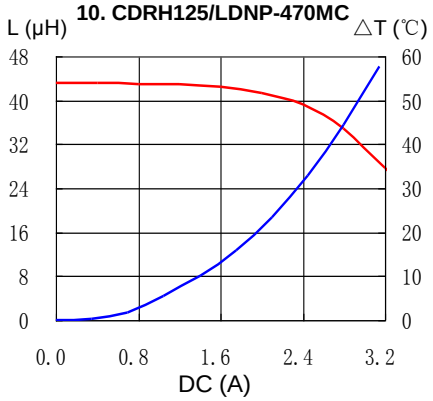
8. CDRH125/LDNP-330MC



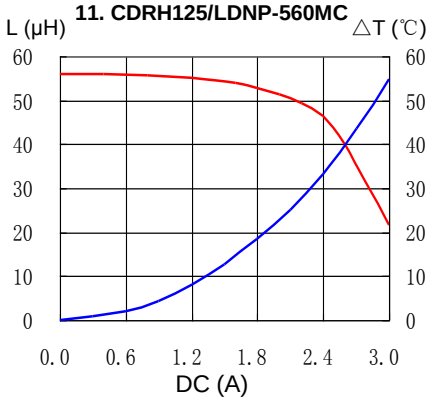
9. CDRH125/LDNP-390MC



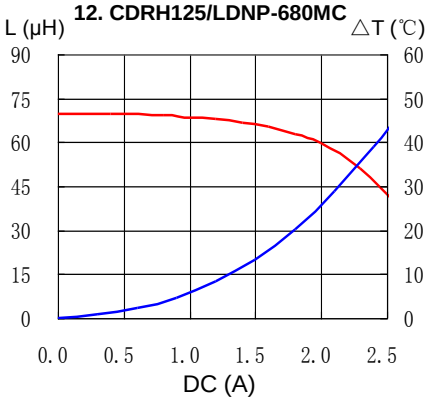
10. CDRH125/LDNP-470MC



11. CDRH125/LDNP-560MC



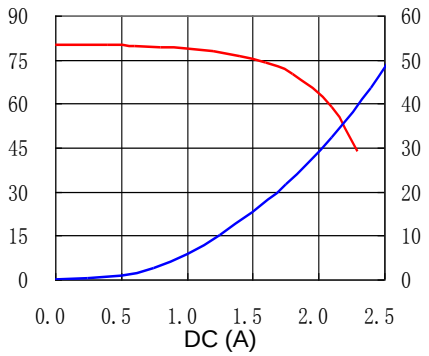
12. CDRH125/LDNP-680MC



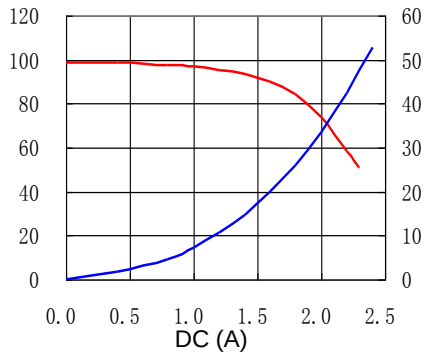
Saturation Current & Temperature Rise Graph

L (20℃) △T

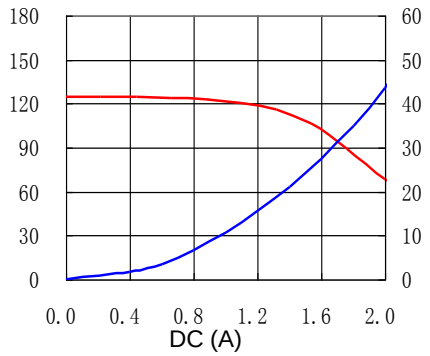
13. CDRH125/LDNP-820MC



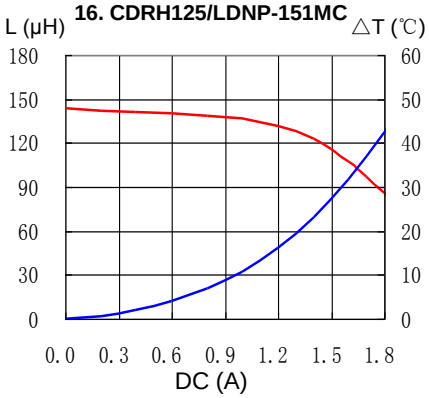
14. CDRH125/LDNP-101MC



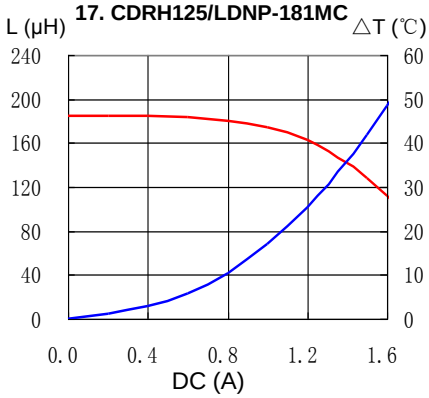
15. CDRH125/LDNP-121MC



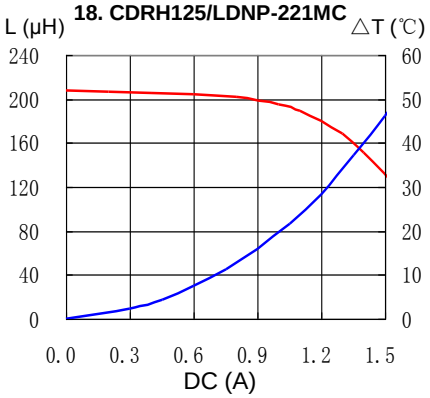
16. CDRH125/LDNP-151MC



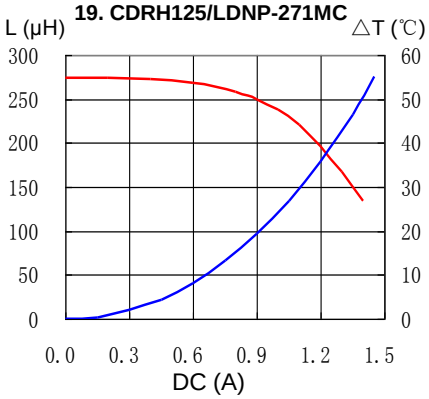
17. CDRH125/LDNP-181MC



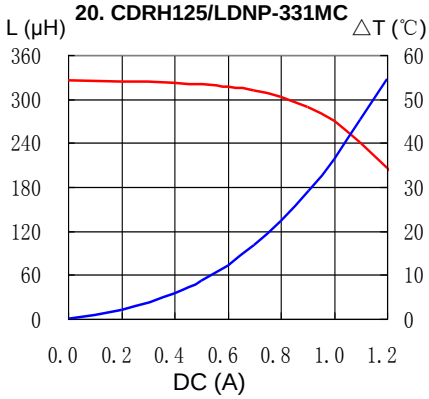
18. CDRH125/LDNP-221MC



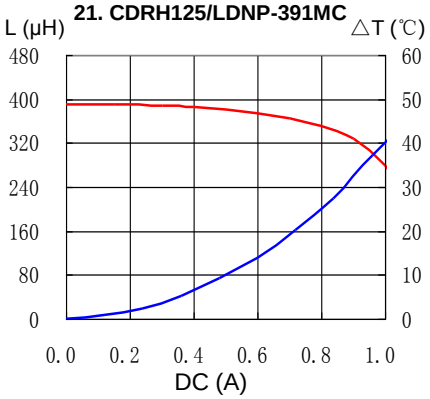
19. CDRH125/LDNP-271MC



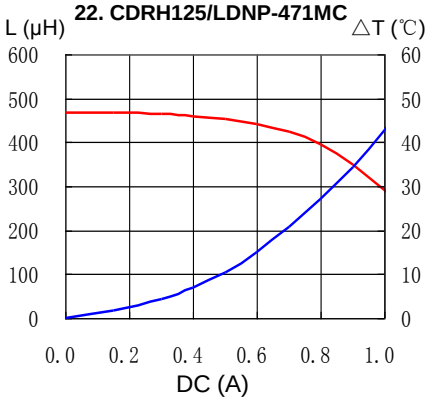
20. CDRH125/LDNP-331MC



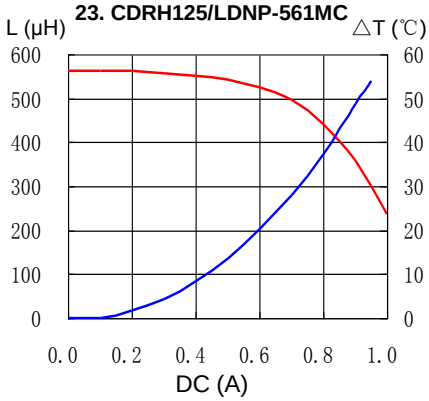
21. CDRH125/LDNP-391MC



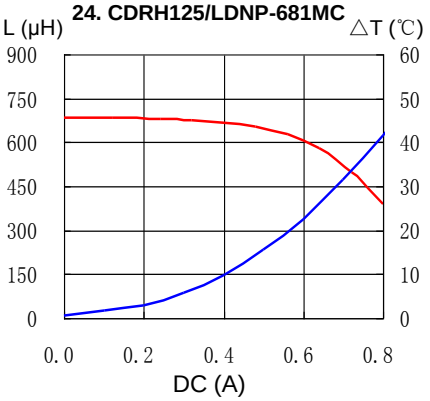
22. CDRH125/LDNP-471MC



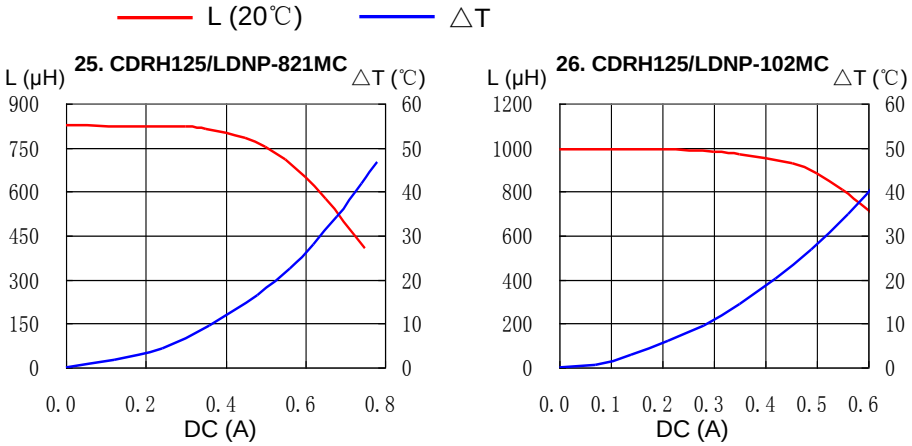
23. CDRH125/LDNP-561MC



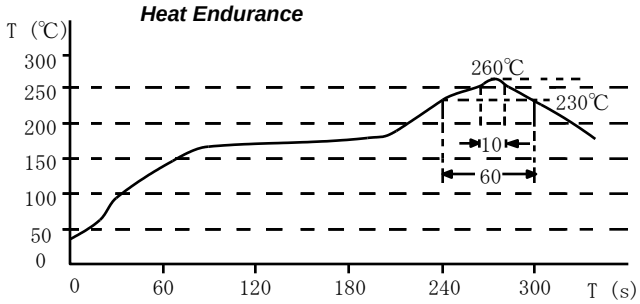
24. CDRH125/LDNP-681MC

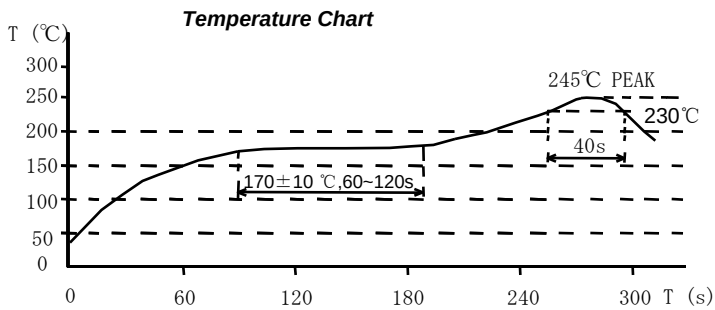


Saturation Current & Temperature Rise Graph



Solder Reflow Condition





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