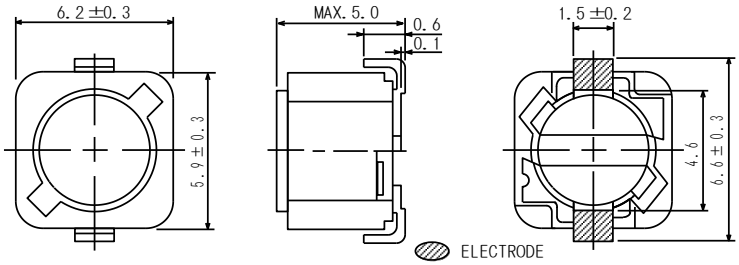
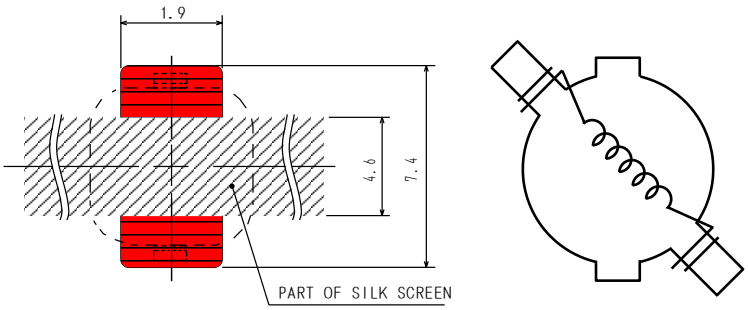
SMD Power Inductor
CDRH64B

RoHS

Dimension - [mm]



Land pattern and Schematics - [mm]



Description
- Ferrite drum core construction
- Magnetically shielded
- L × W × H:6.9 × 6.5 × 5.0mm Max.
- Product weight: 0.58g(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
- 12.9"diameter reel
- 1000pcs per reel

Applications
- Ideally used in Notebook PC, LCD TV, Game machine, HDD,DSC/DVC, etc as DC-DC converter inductors.

Revised: 9-Jan-17

Electrical Characteristics

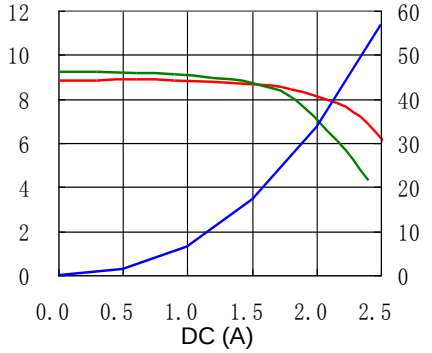
Part Name	Stamp	Inductance (μH) [within] ※1	D.C.R. (Ω) Max. (Typ.) (at 20℃)	Rated Current (A) ※2
CDRH64BNP-100MC-B	100	10±20%	0.12 (88m)	1.35
CDRH64BNP-120MC-B	120	12±20%	0.13 (97m)	1.20
CDRH64BNP-150MC-B	150	15±20%	0.18 (0.13)	1.10
CDRH64BNP-180MC-B	180	18±20%	0.24 (0.18)	1.00
CDRH64BNP-220MC-B	220	22±20%	0.27 (0.20)	0.91
CDRH64BNP-270MC-B	270	27±20%	0.30 (0.22)	0.82
CDRH64BNP-330MC-B	330	33±20%	0.33 (0.25)	0.75
CDRH64BNP-390MC-B	390	39±20%	0.37 (0.27)	0.69
CDRH64BNP-470MC-B	470	47±20%	0.52 (0.38)	0.62
CDRH64BNP-560MC-B	560	56±20%	0.56 (0.41)	0.58
CDRH64BNP-680MC-B	680	68±20%	0.63 (0.47)	0.52
CDRH64BNP-820MC-B	820	82±20%	0.71 (0.53)	0.47
CDRH64BNP-101MC-B	101	100±20%	1.03 (0.76)	0.43
CDRH64BNP-121MC-B	121	120±20%	1.15 (0.85)	0.39
CDRH64BNP-151MC-B	151	150±20%	1.68 (1.29)	0.35
CDRH64BNP-181MC-B	181	180±20%	1.87 (1.44)	0.32
CDRH64BNP-221MC-B	221	220±20%	2.08 (1.60)	0.29
CDRH64BNP-271MC-B	271	270±20%	2.37 (1.82)	0.26
CDRH64BNP-331MC-B	331	330±20%	2.67 (2.05)	0.23
CDRH64BNP-391MC-B	391	390±20%	2.94 (2.26)	0.22
CDRH64BNP-471MC-B	471	470±20%	3.93 (3.02)	0.20
CDRH64BNP-561MC-B	561	560±20%	5.43 (4.18)	0.18
CDRH64BNP-681MC-B	681	680±20%	7.32 (5.63)	0.17
CDRH64BNP-821MC-B	821	820±20%	8.24 (6.34)	0.15
CDRH64BNP-102MC-B	102	1000±20%	9.26 (7.13)	0.14

※1. Inductance measuring condition: at 1 kHz
※2. Rated current: The DC current at which the inductance decreases to 75% of it's nominal value or when △t=40℃, whichever is lower (Ta=20℃).

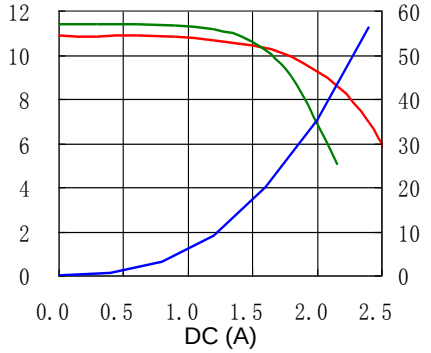
Saturation Current & Temperature Rise Graph

L (20℃) L (100℃) △T

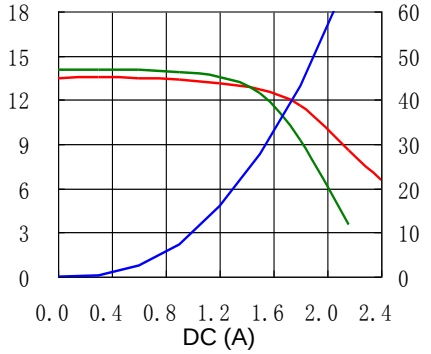
1. CDRH64BNP-100MC-B



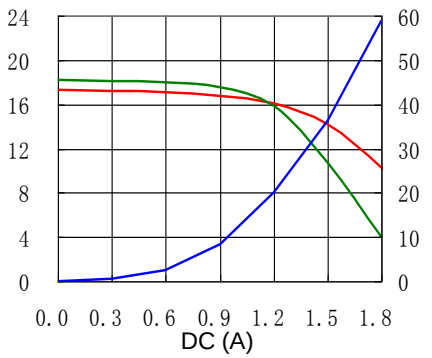
2. CDRH64BNP-120MC-B



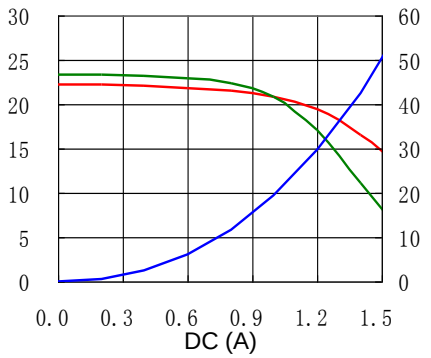
3. CDRH64BNP-150MC-B



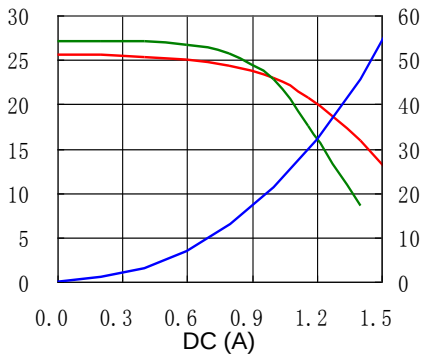
4. CDRH64BNP-180MC-B



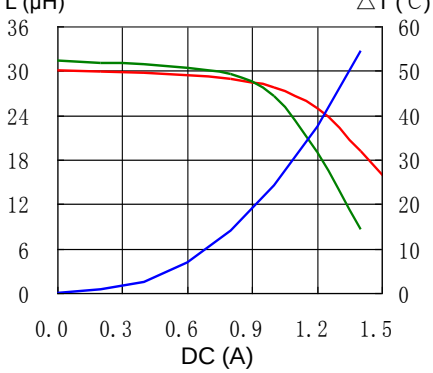
5. CDRH64BNP-220MC-B



6. CDRH64BNP-270MC-B



7. CDRH64BNP-330MC-B



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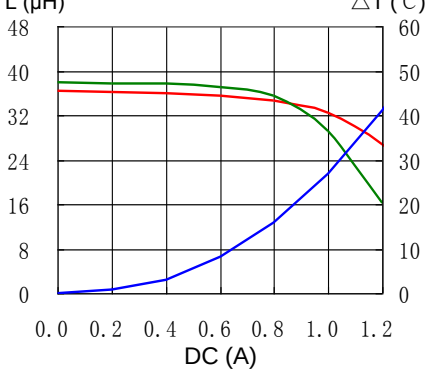
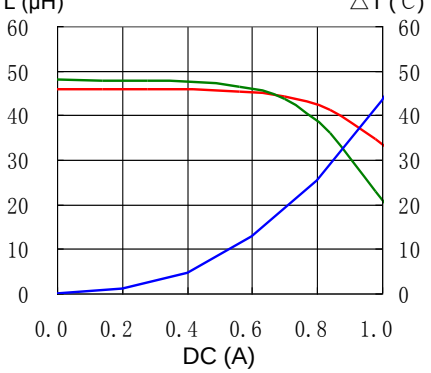
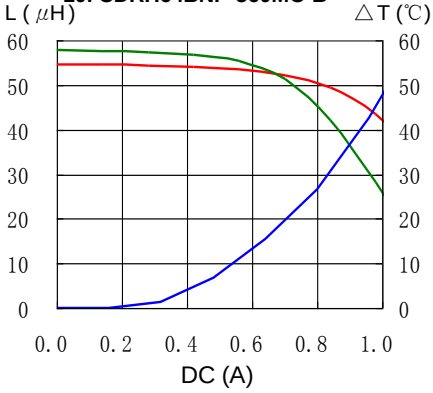


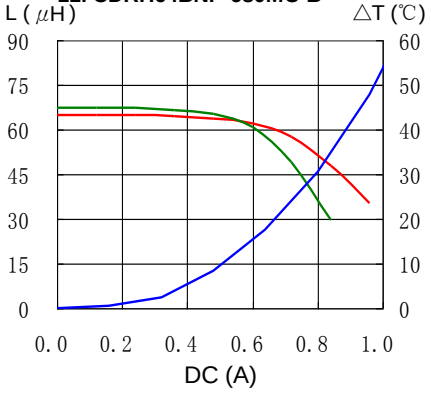
9. CDRH64BNP-470MC-B



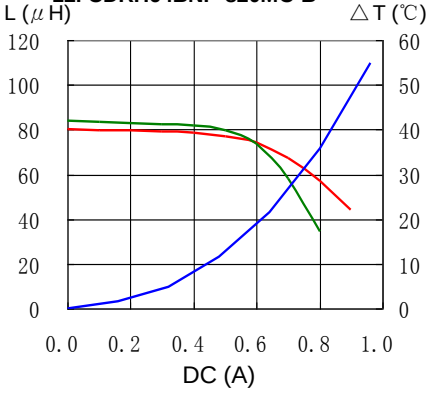
10. CDRH64BNP-560MC-B



11. CDRH64BNP-680MC-B



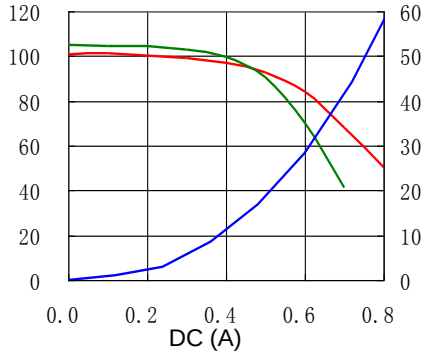
12. CDRH64BNP-820MC-B



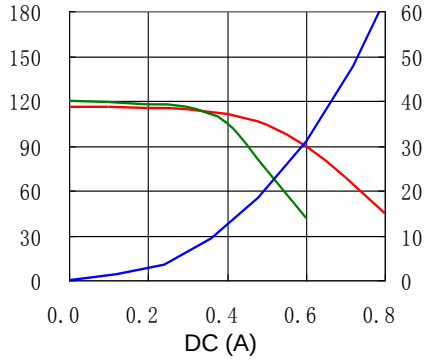
Saturation Current & Temperature Rise Graph

L (20℃) L (100℃) △T

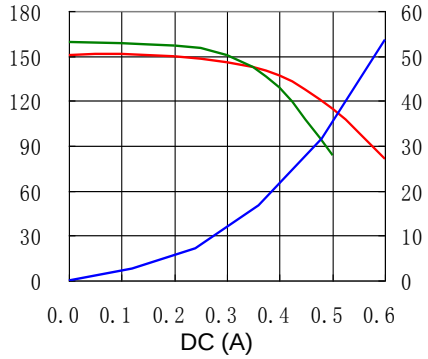
13. CDRH64BNP-101MC-B



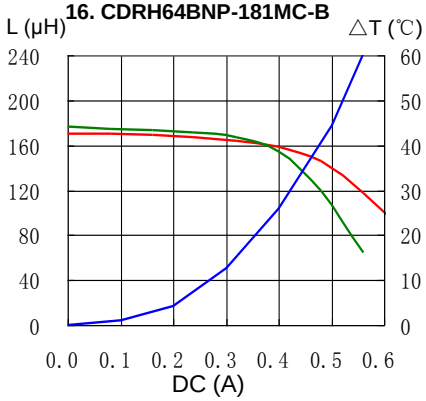
14. CDRH64BNP-121MC-B



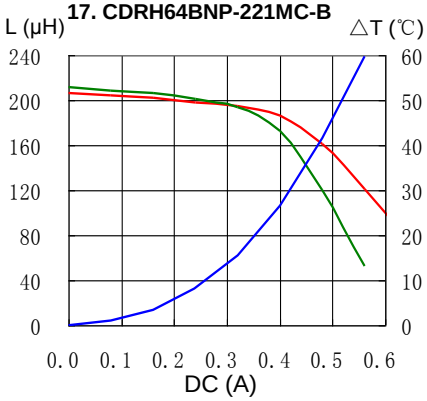
15. CDRH64BNP-151MC-B



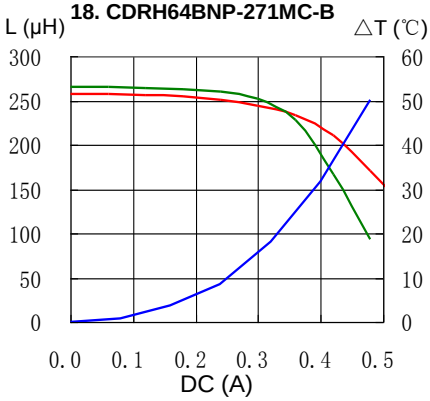
16. CDRH64BNP-181MC-B



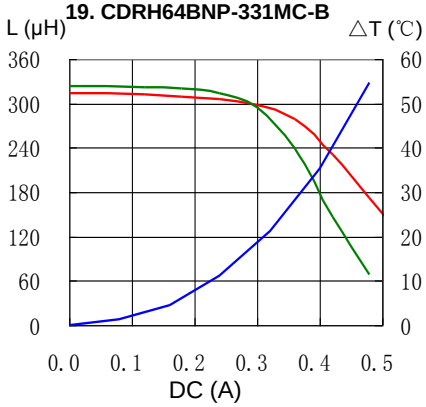
17. CDRH64BNP-221MC-B



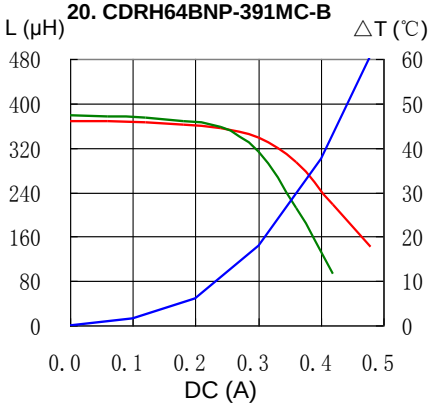
18. CDRH64BNP-271MC-B



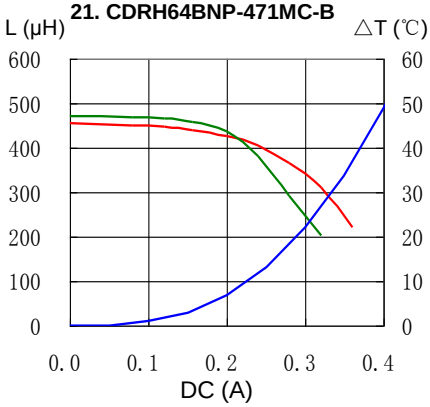
19. CDRH64BNP-331MC-B



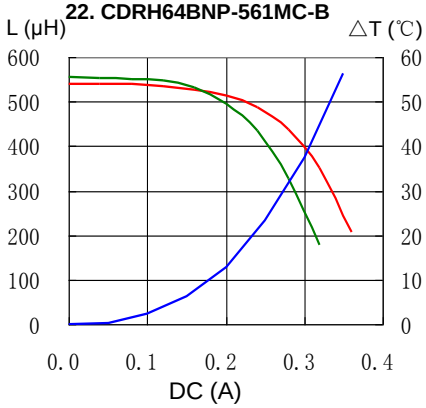
20. CDRH64BNP-391MC-B



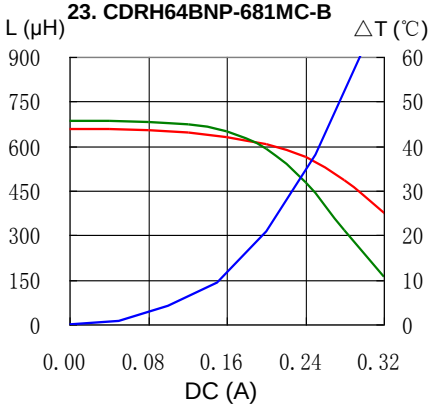
21. CDRH64BNP-471MC-B



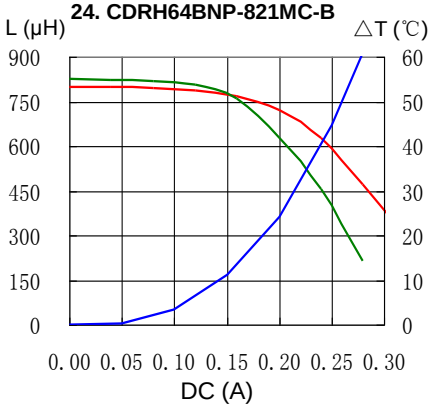
22. CDRH64BNP-561MC-B



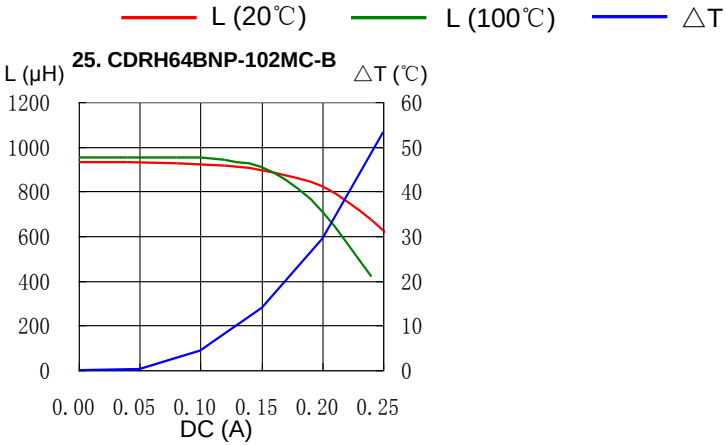
23. CDRH64BNP-681MC-B



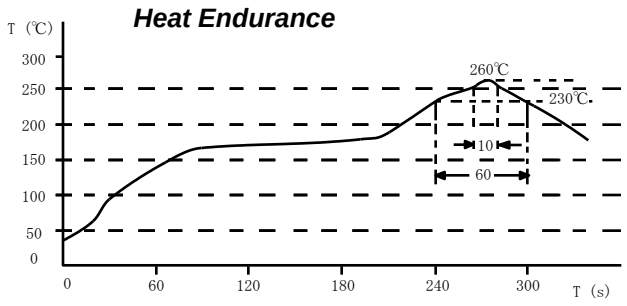
24. CDRH64BNP-821MC-B

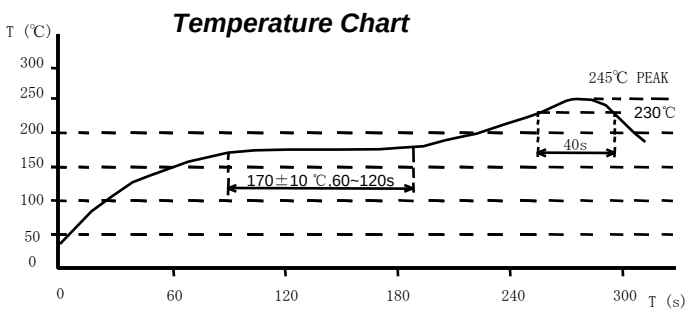


Saturation Current & Temperature Rise Graph



Solder Reflow Condition





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