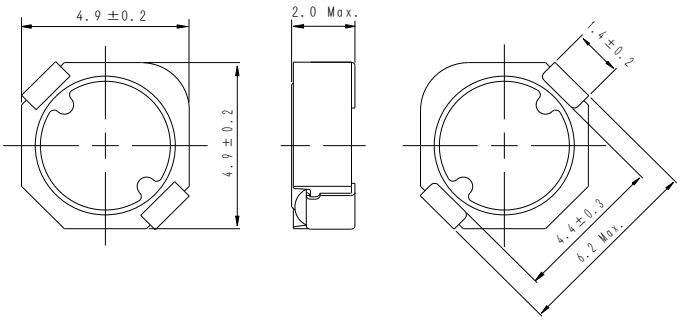
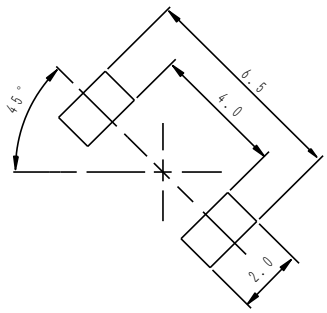
SMD Power Inductor
CDRH4D18C

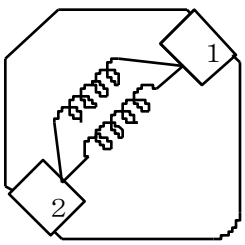


Dimension - [mm]

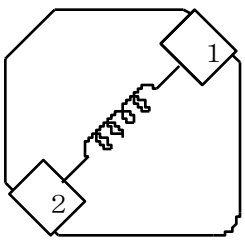


Land pattern and Schematics - [mm]





（1.1μH～6.8μH）



（10μH～100μH）

Description
- Ferrite drum core construction.
- Magnetically shielded.
- L × W × H:5.1 × 5.1 × 2.0 mm Max.
- Product weight: 135mg(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.

Environmental Data
- Operating temperature range: -40℃~+105℃ (including coil's self temperature rise)
- Storage temperature range: -40℃～+105℃
- Solder reflow temperature: 260 ℃ peak.

Packaging
- Carrier tape and reel packaging
- 7.0"diameter reel
- 1000pcs per reel

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

Revised: 9-Jan-17

Electrical Characteristics

Part No.	Stamp	Inductance (μH) [within] ※1	D.C.R.(Ω) Max. (Typ.) (at 20℃)	Rated Current (A) ※2
CDRH4D18CNP-1R1PC	A	1.1 ± 25%	29m(23m)	2.4
CDRH4D18CNP-2R2PC	B	2.2 ± 25%	39m(31m)	1.7
CDRH4D18CNP-3R0PC	C	3.0 ± 25%	61m(49m)	1.5
CDRH4D18CNP-4R7PC	D	4.7 ± 25%	110m(88m)	1.15
CDRH4D18CNP-6R8PC	E	6.8 ± 25%	125m(100m)	1.05
CDRH4D18CNP-100PC	F	10 ± 25%	156m(125m)	830m
CDRH4D18CNP-150PC	G	15 ± 25%	194m(155m)	700m
CDRH4D18CNP-220PC	H	22 ± 25%	323m(258m)	600m
CDRH4D18CNP-330PC	I	33 ± 25%	550m(440m)	460m
CDRH4D18CNP-470PC	J	47 ± 25%	783m(626m)	410m
CDRH4D18CNP-680PC	K	68 ± 25%	1.16(925m)	305m
CDRH4D18CNP-101PC	L	100 ± 25%	1.51(1.21)	250m

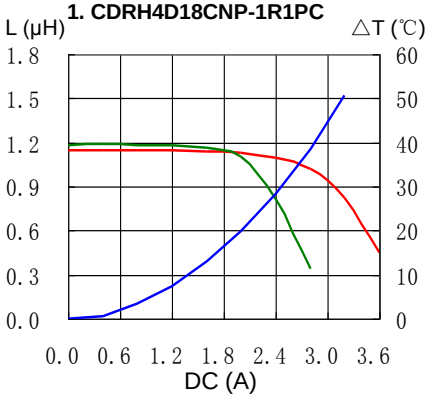
※1. Inductance measuring condition: at 100kHz.

※2. Rated current: The DC current at which the inductance decreases to 65% of its nominal value or when △t=40℃, whichever is lower (Ta=20℃).

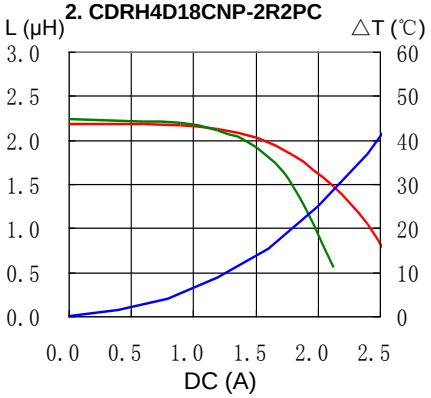
Saturation Current & Temperature Rise Graph

L (20℃) L (100℃) △T

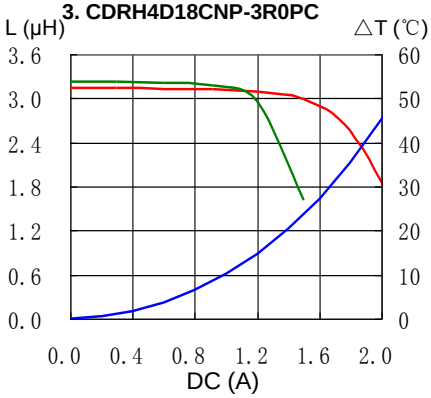
1. CDRH4D18CNP-1R1PC



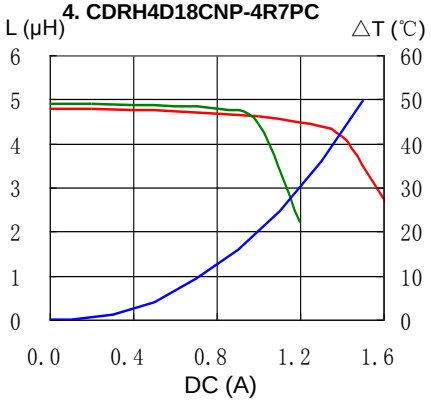
2. CDRH4D18CNP-2R2PC



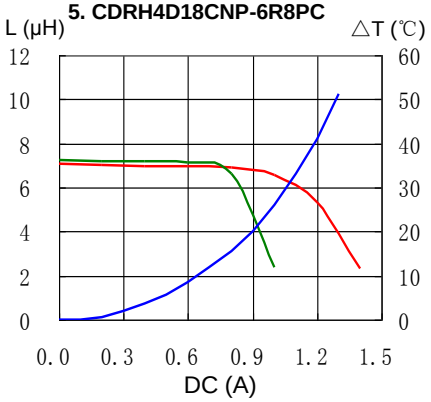
3. CDRH4D18CNP-3R0PC



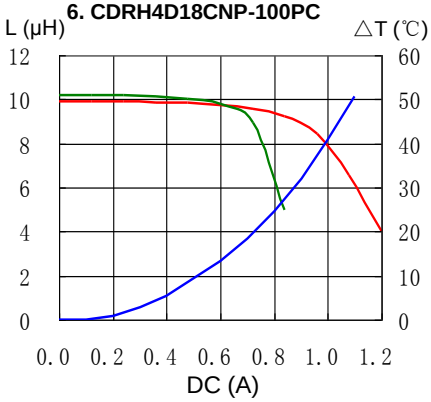
4. CDRH4D18CNP-4R7PC



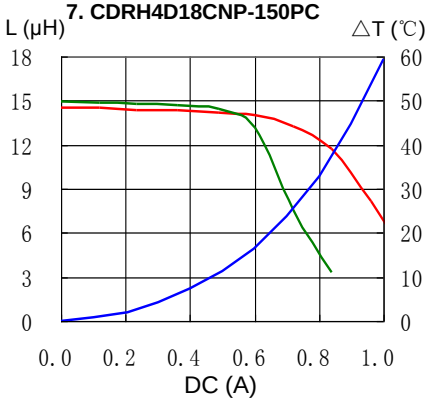
5. CDRH4D18CNP-6R8PC



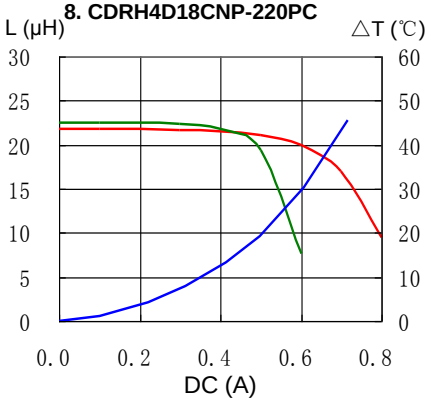
6. CDRH4D18CNP-100PC



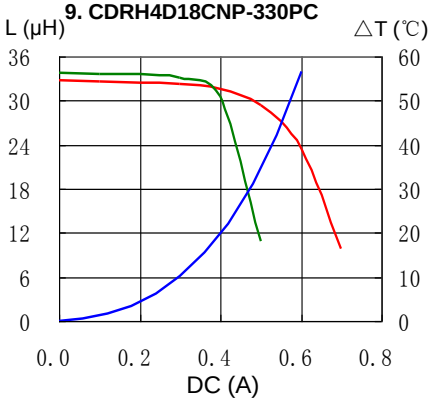
7. CDRH4D18CNP-150PC



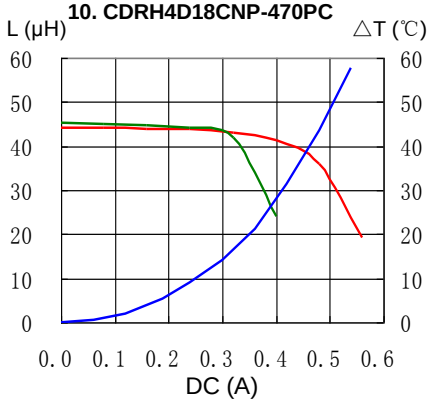
8. CDRH4D18CNP-220PC



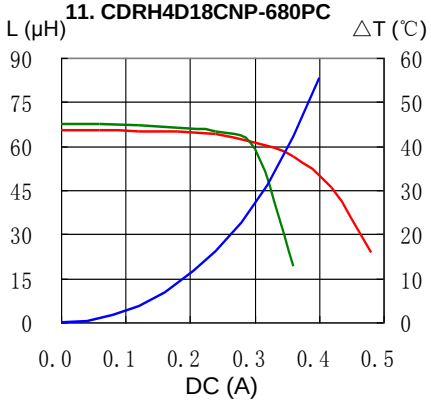
9. CDRH4D18CNP-330PC



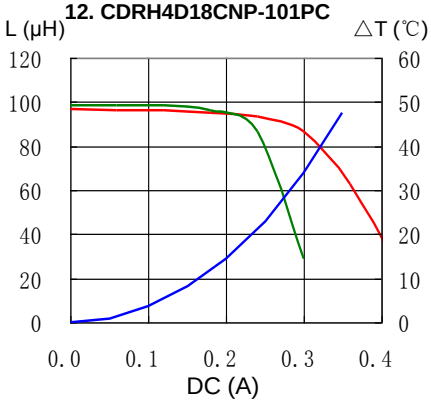
10. CDRH4D18CNP-470PC



11. CDRH4D18CNP-680PC



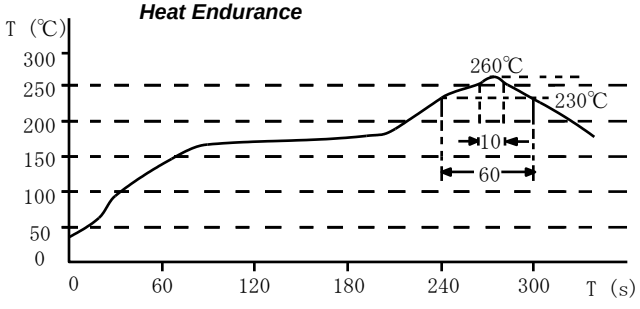
12. CDRH4D18CNP-101PC



SMD Power Inductor
CDRH4D18C

Solder Reflow Condition

Heat Endurance



Temperature Chart

