SMD Power Inductor
CDRH10D43R

RoHS

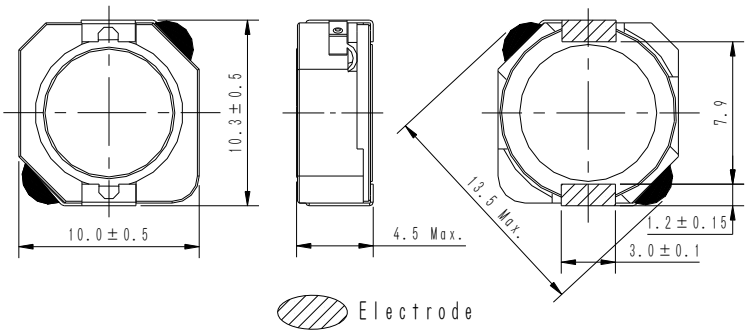
Description
- Ferrite drum core construction.
- Magnetically shielded.
- L × W × H:10.8 × 10.5 x 4.5mm Max.
- Product weight: 1.6g (Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.

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

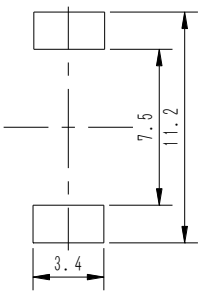
Packaging
- Carrier tape and reel packaging
- 13"diameter reel
- 500pcs per reel

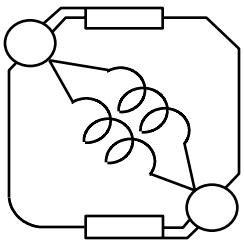
Applications
- Ideally used in Game machine, Notebook PC, LCD TV,DVD, STB ,Projector etc as DC-DC converter inductors.

Dimension - [mm]

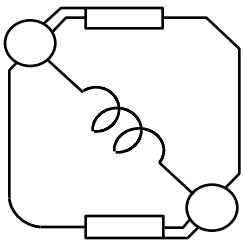


Land pattern and Schematics - [mm]





1.2μH～22μH



33μH～100μH

Revised: 10-Jan-17

Electrical Characteristics

Part Name	Stamp	Inductance (μH) [within] ※1	D.C.R. (mΩ) Max. (Typ.) (at 20℃)	Saturation Current (A)※2		Temperature Rise Current (A) ※3
				at 20℃	at 105℃	
CDRH10D43RNP-1R2PC	1R2	1.2±25%	10.4(8.28)	12.0	9.0	7.2
CDRH10D43RNP-1R8PC	1R8	1.8±25%	12.2(9.76)	11.2	8.5	6.6
CDRH10D43RNP-2R7PC	2R7	2.7±25%	14.1(11.3)	9.5	7.3	6.0
CDRH10D43RNP-3R9PC	3R9	3.9±25%	16.6(13.2)	8.8	6.9	5.8
CDRH10D43RNP-4R7PC	4R7	4.7±25%	20.4(16.3)	8.0	6.5	4.8
CDRH10D43RNP-6R8PC	6R8	6.8±25%	25.1(20.0)	7.0	5.6	4.6
CDRH10D43RNP-8R2PC	8R2	8.2±25%	31.0(24.8)	6.0	4.8	4.2
CDRH10D43RNP-100MC	100	10±20%	32.7(26.1)	5.2	4.3	4.1
CDRH10D43RNP-120MC	120	12±20%	47.2(37.7)	4.9	4.0	3.2
CDRH10D43RNP-150MC	150	15±20%	56.1(44.9)	4.5	3.7	3.1
CDRH10D43RNP-220MC	220	22±20%	73.9(59.1)	4.0	3.2	2.7
CDRH10D43RNP-330MC	330	33±20%	120.0(95.7)	3.1	2.6	2.0
CDRH10D43RNP-470MC	470	47±20%	160.4(128.3)	2.6	2.1	1.7
CDRH10D43RNP-560MC	560	56±20%	175.8(140.6)	2.4	2.0	1.6
CDRH10D43RNP-680MC	680	68±20%	217.3(173.8)	2.2	1.8	1.4
CDRH10D43RNP-820MC	820	82±20%	273.8(219.0)	2.0	1.6	1.2
CDRH10D43RNP-101MC	101	100±20%	344.5(275.6)	1.8	1.4	1.1

※1 Inductance measuring condition: at 100kHz.
※2 The saturation current: This indicates the value of DC current when the inductance decreases to 65% of it's nominal.
※3 The temperature rise: The value of DC current when the temperature rise is △T＝40℃ (Ta＝20℃).

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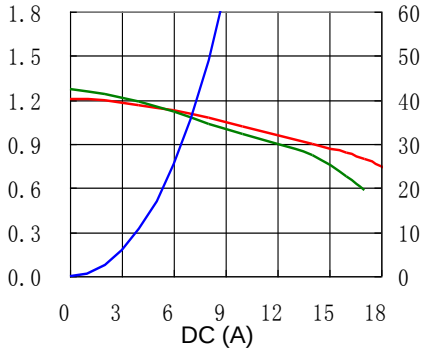
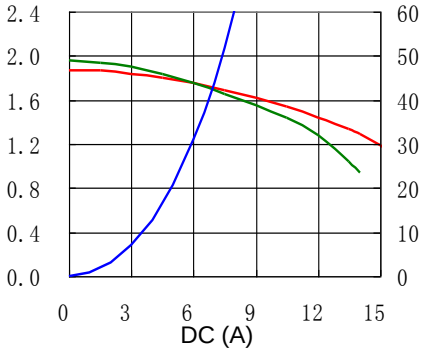
Saturation Current & Temperature Rise Graph

L (20℃) L (100℃) △T

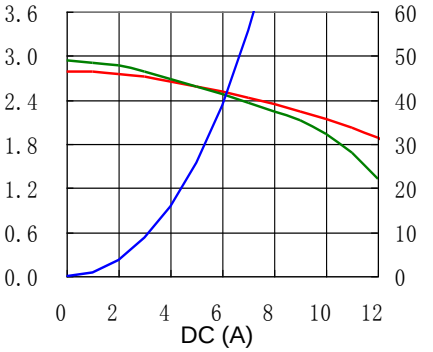
1. CDRH10D43RNP-1R2PC



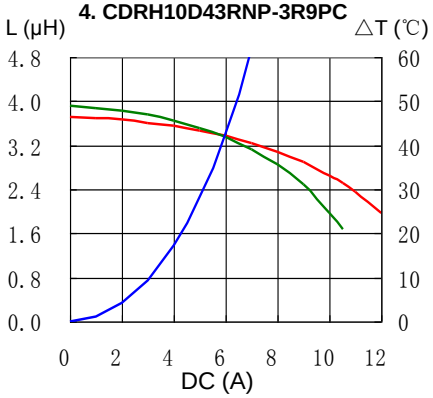
2. CDRH10D43RNP-1R8PC



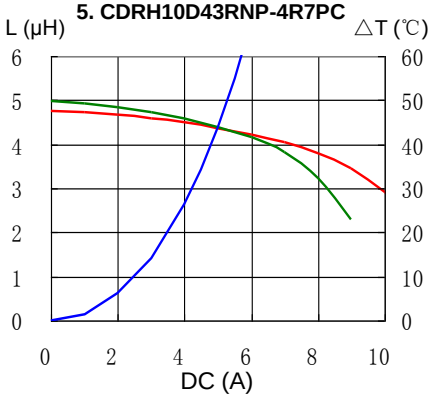
3. CDRH10D43RNP-2R7PC



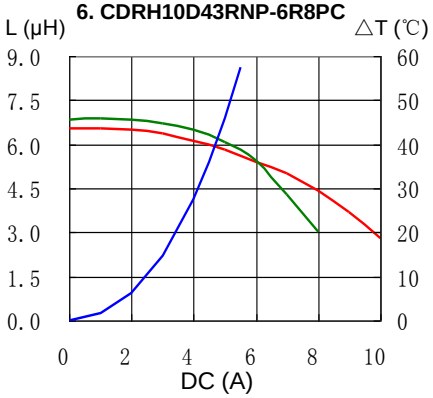
4. CDRH10D43RNP-3R9PC



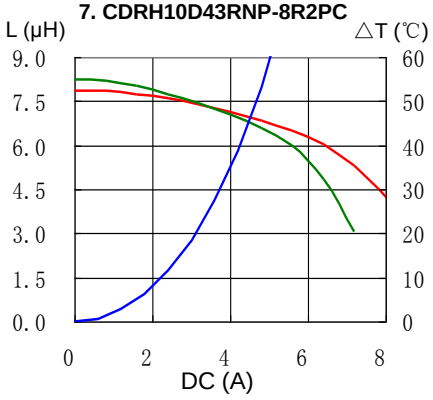
5. CDRH10D43RNP-4R7PC



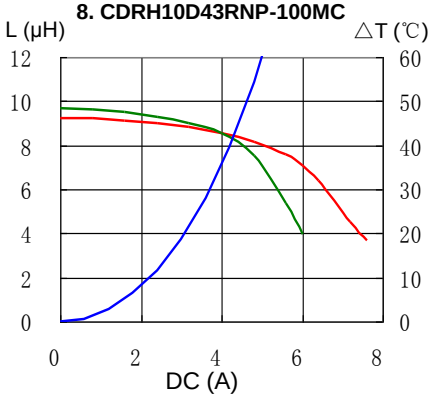
6. CDRH10D43RNP-6R8PC



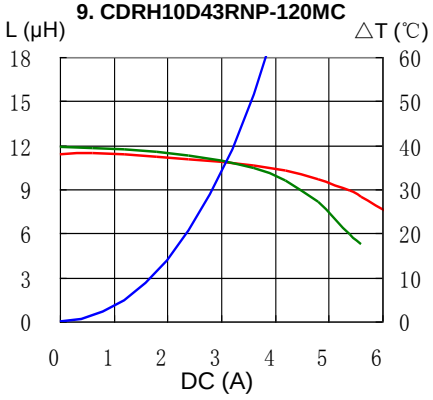
7. CDRH10D43RNP-8R2PC



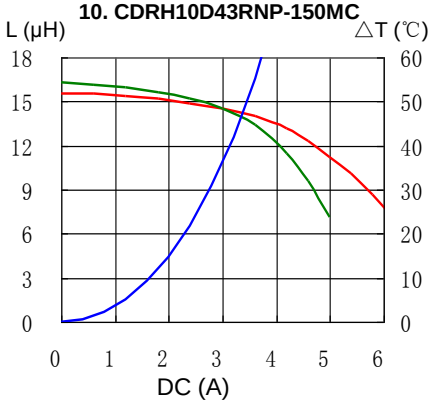
8. CDRH10D43RNP-100MC



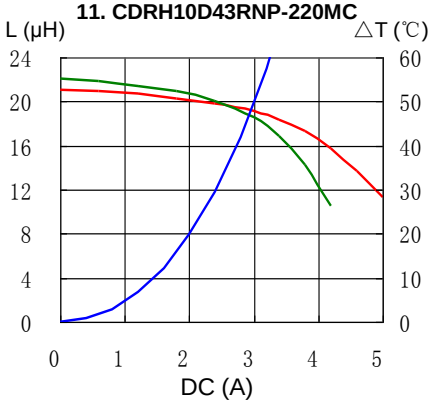
9. CDRH10D43RNP-120MC



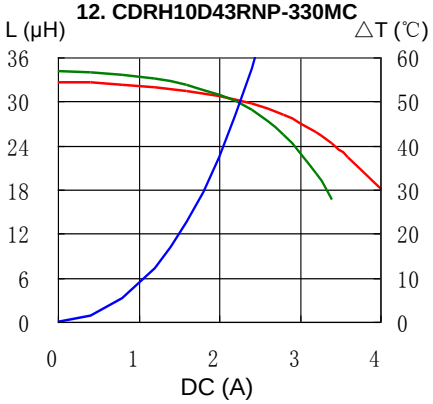
10. CDRH10D43RNP-150MC



11. CDRH10D43RNP-220MC



12. CDRH10D43RNP-330MC



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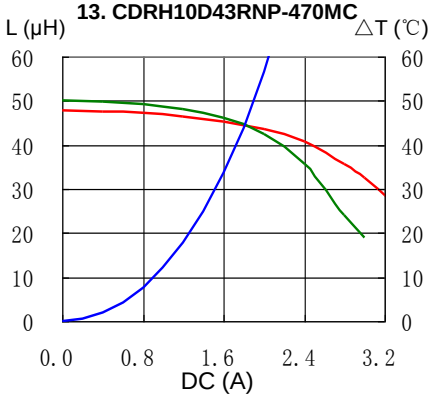
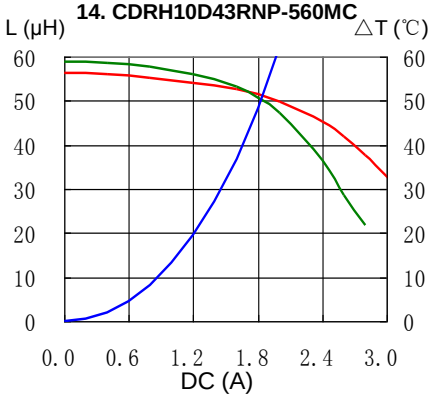
Saturation Current & Temperature Rise Graph

L (20℃) L (100℃) △T

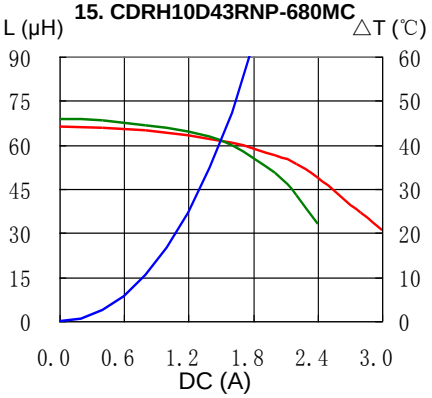
13. CDRH10D43RNP-470MC



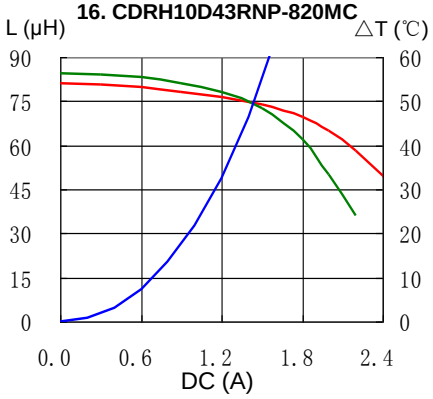
14. CDRH10D43RNP-560MC



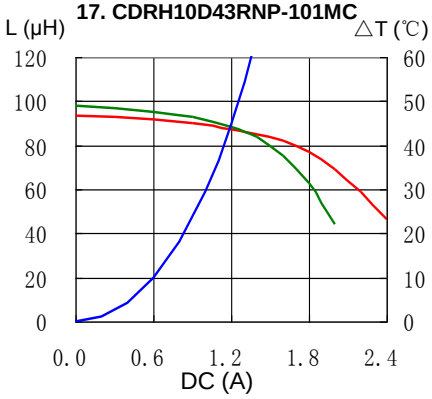
15. CDRH10D43RNP-680MC



16. CDRH10D43RNP-820MC

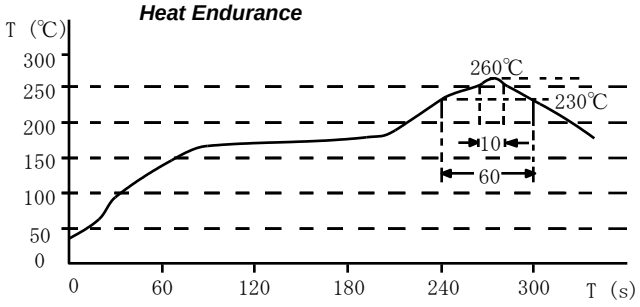


17. CDRH10D43RNP-101MC

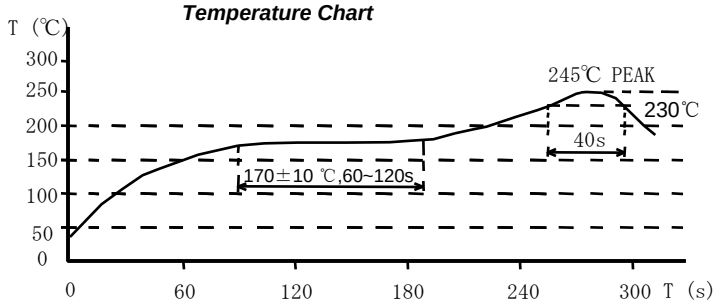


Solder Reflow Condition

Heat Endurance



Temperature Chart



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