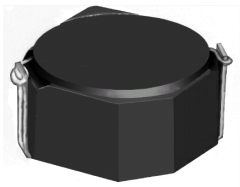
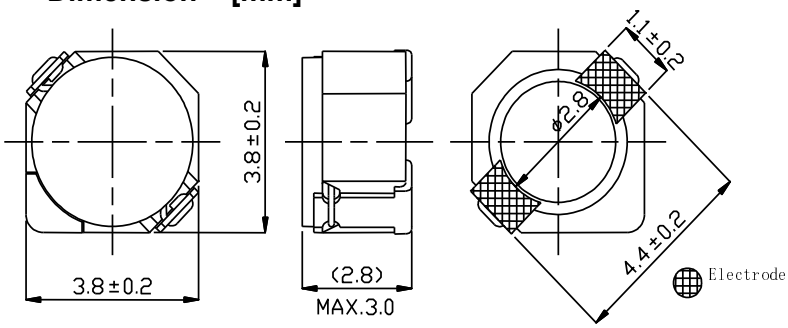
SMD Power Inductor
CDRH3D28/LD

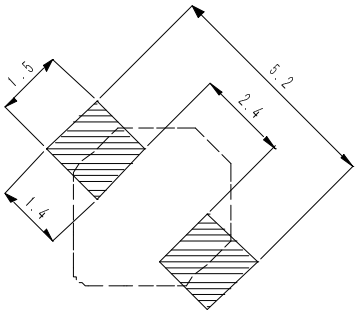
RoHS

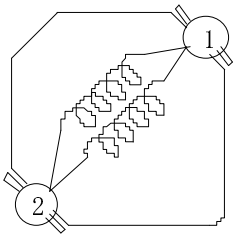


Dimension - [mm]

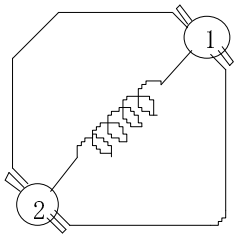


Land pattern and Schematics - [mm]





(10μH～56μH)



(68μH～220μH)

Description
- Ferrite drum core construction.
- Magnetically shielded.
- L×W×H:4.0×4.0×3.0 mm Max.
- Product weight:130mg (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
- 500pcs per reel

Applications
- Ideally used in Mobilephone,PDA,MP3, DSC/DVC, Portable DVD, etc. as DC-DC converter inductors.

Revised: 7-Jan-14

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℃	
CDRH3D28/LDNP-100NC	A	10±30%	95(73)	0.50	0.43	1.52
CDRH3D28/LDNP-120NC	B	12±30%	100(80)	0.45	0.38	1.48
CDRH3D28/LDNP-150NC	C	15±30%	115(90)	0.40	0.33	1.44
CDRH3D28/LDNP-180NC	D	18±30%	125(100)	0.35	0.30	1.37
CDRH3D28/LDNP-220NC	E	22±30%	145(117)	0.33	0.28	1.28
CDRH3D28/LDNP-270NC	F	27±30%	175(140)	0.29	0.26	1.18
CDRH3D28/LDNP-330NC	G	33±30%	215(170)	0.28	0.23	1.15
CDRH3D28/LDNP-390NC	H	39±30%	225(180)	0.25	0.21	1.00
CDRH3D28/LDNP-470NC	J	47±30%	305(245)	0.23	0.19	0.81
CDRH3D28/LDNP-560NC	K	56±30%	325(260)	0.20	0.17	0.76
CDRH3D28/LDNP-680NC	L	68±30%	470(375)	0.185	0.156	0.60
CDRH3D28/LDNP-820NC	M	82±30%	540(430)	0.172	0.142	0.58
CDRH3D28/LDNP-101NC	N	100±30%	610(485)	0.160	0.128	0.52
CDRH3D28/LDNP-121NC	P	120±30%	755(605)	0.136	0.116	0.50
CDRH3D28/LDNP-151NC	Q	150±30%	880(705)	0.124	0.106	0.48
CDRH3D28/LDNP-181NC	R	180±30%	1130(905)	0.119	0.095	0.42
CDRH3D28/LDNP-221NC	S	220±30%	1270(1015)	0.116	0.087	0.36

※1. Inductance measuring condition: at 100kHz.

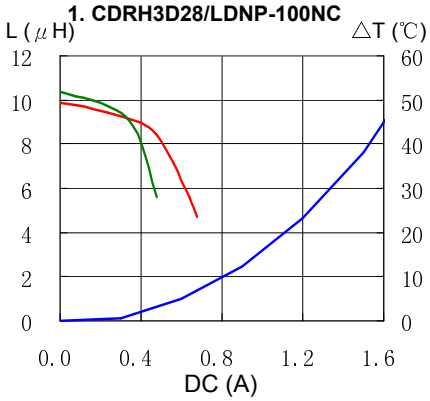
※2. Saturation current: The value of D.C. current when the inductance decreases to 65% of it's nominal value.

※3. Temperature rise current: The value of D.C. current when the temperature rise is △t=40℃(Ta=20℃).

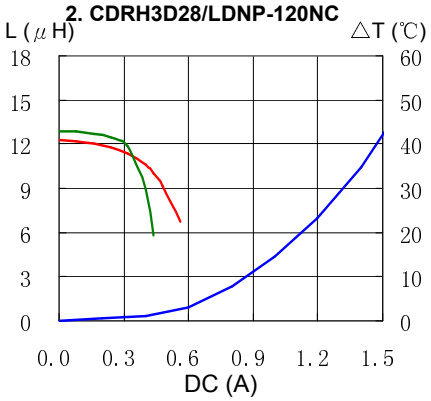
Saturation Current & Temperature Rise Graph

L (20℃) L (100℃) △T

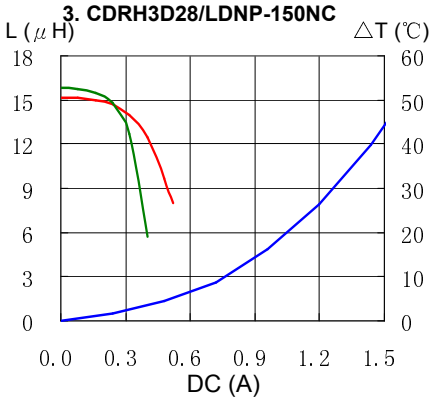
1. CDRH3D28/LDNP-100NC



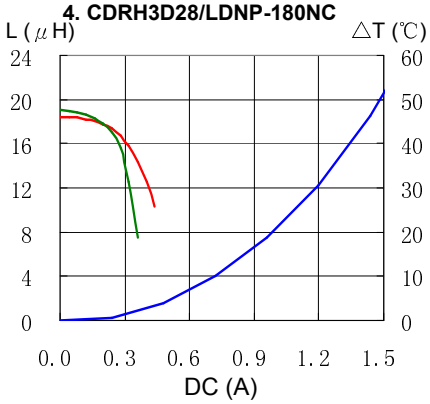
2. CDRH3D28/LDNP-120NC



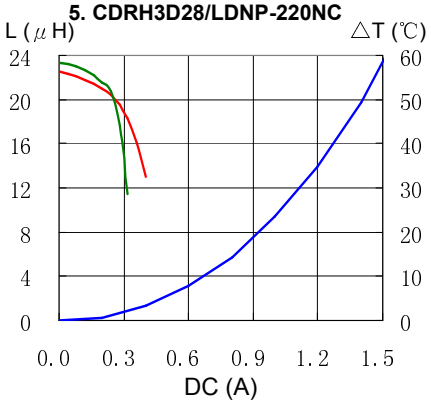
3. CDRH3D28/LDNP-150NC



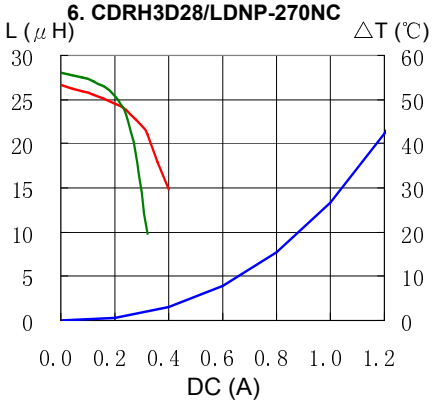
4. CDRH3D28/LDNP-180NC



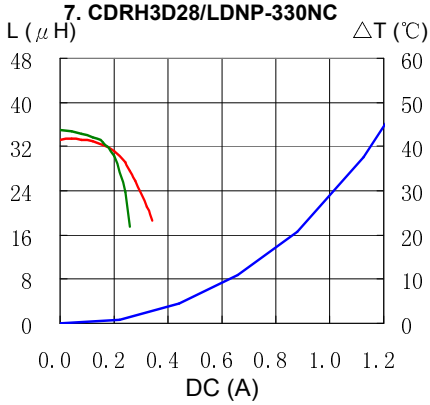
5. CDRH3D28/LDNP-220NC



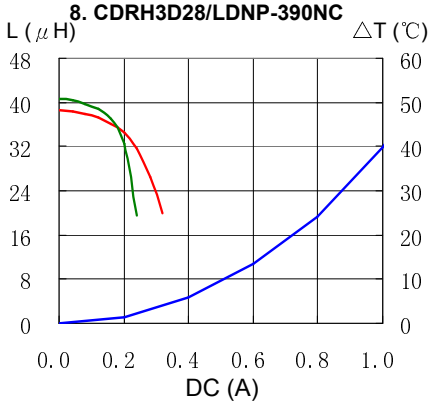
6. CDRH3D28/LDNP-270NC



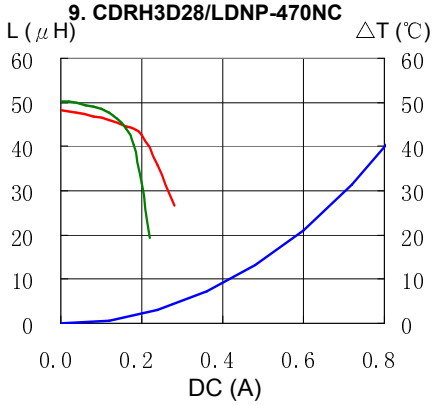
7. CDRH3D28/LDNP-330NC



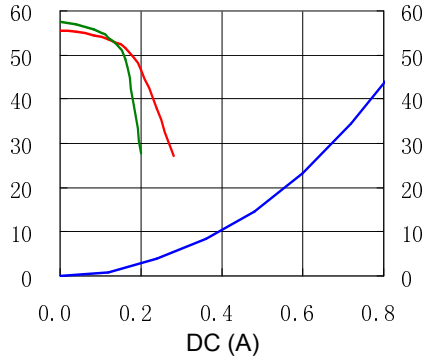
8. CDRH3D28/LDNP-390NC



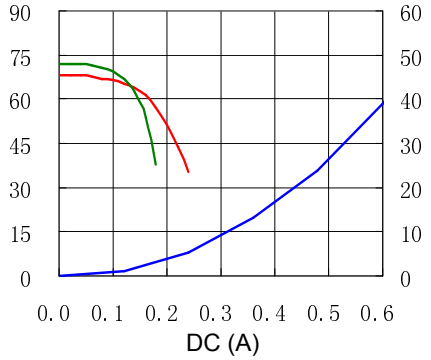
9. CDRH3D28/LDNP-470NC



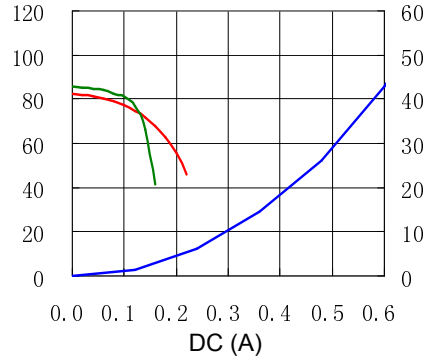
10. CDRH3D28/LDNP-560NC



11. CDRH3D28/LDNP-680NC

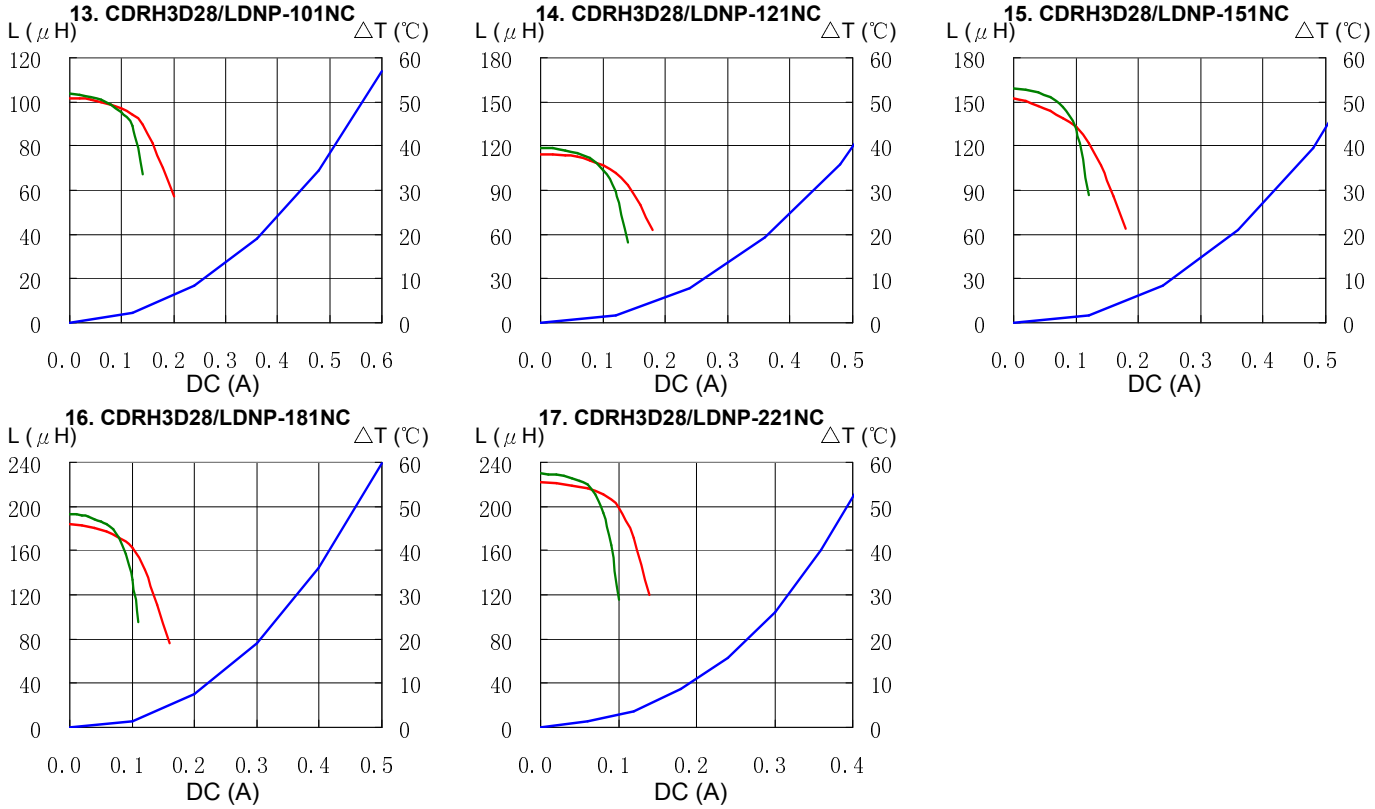


12. CDRH3D28/LDNP-820NC

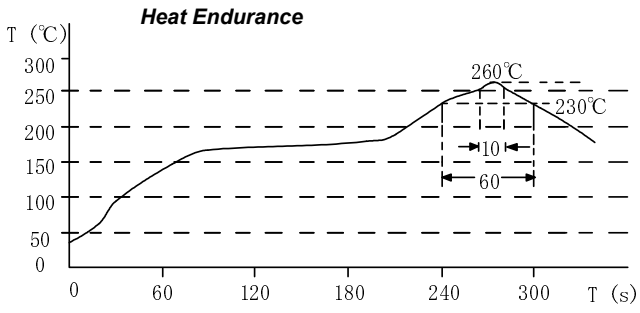


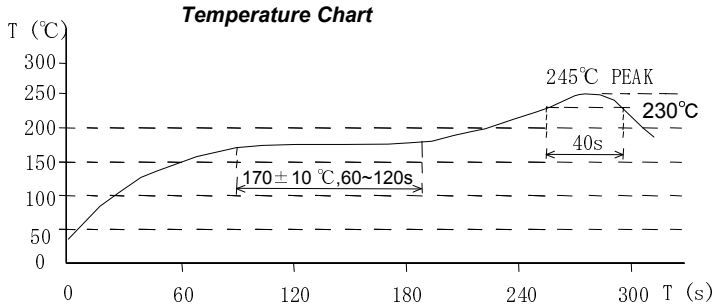
Saturation Current & Temperature Rise Graph

L (20℃) L (100℃) △T



Solder Reflow Condition





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- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
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- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.

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