SMD Power Inductor
CDRR127

RoHS

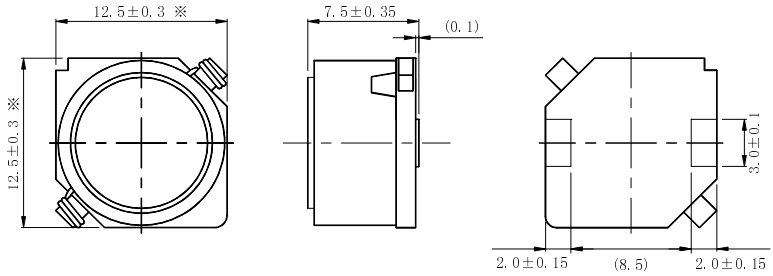
Description
- Magnetically shielded.
- L × W × H:12.8 × 12.8 × 7.85 mm Max.
- Product weight: 3.8g (Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Qualification to AEC-Q200.

Environmental Data
- Operating temperature range: -40℃～+125℃ (including coil's self temperature rise)
- Storage temperature range: -40℃～+125℃
- Solder reflow temperature: 260 ℃ peak.

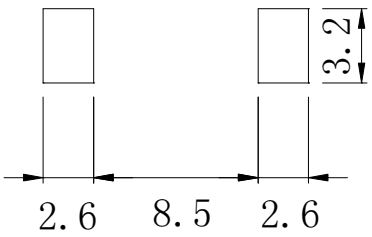
Packaging
- Carrier tape and reel packaging.
- 12.9 ”diameter reel
- 400pcs per reel

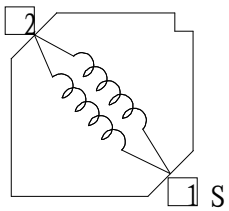
Applications
- For consumer electronics :HDD, personal computer, LCD display, etc.
- For automotive: ABS, SRS airbag, HID/LED, car audio, car navigation, LCD display, etc.

Dimension - [mm]

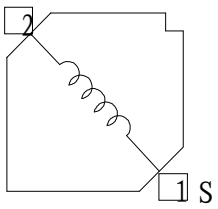


Land pattern and Schematics - [mm]





1.0μH～33μH



47μH～1000μH

Revised: 10-Jul-13

Electrical Characteristics

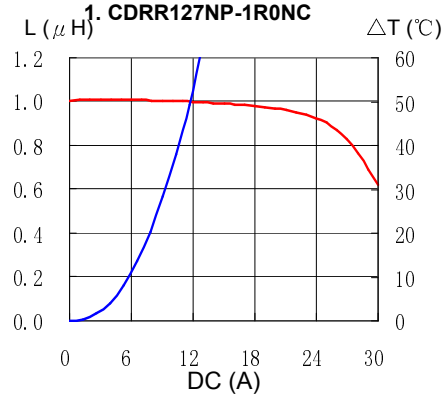
Part No.	Stamp	Inductance [within] (uH) ※1	D.C.R. (mΩ) [within] at 25℃	Saturation current (A) ※2 at 20℃	Temperature rise current (A) Typ. ※3
CDRR127NP-1R0NC	1R0	1.0±30%	6.0±20%	19.0	10.5
CDRR127NP-2R7NC	2R7	2.7±30%	8.3±20%	12.8	9.1
CDRR127NP-3R3NC	3R3	3.3±30%	9.6±20%	11.0	8.2
CDRR127NP-5R6NC	5R6	5.6±30%	11.6±20%	8.0	6.4
CDRR127NP-6R8NC	6R8	6.8±30%	13.1±20%	7.2	6.7
CDRR127NP-100MC	100	10±20%	15.6±20%	5.9	5.4
CDRR127NP-150MC	150	15±20%	18.4±20%	4.8	5.0
CDRR127NP-220MC	220	22±20%	26.3±20%	4.2	4.0
CDRR127NP-330MC	330	33±20%	39.5±20%	3.3	3.5
CDRR127NP-470MC	470	47±20%	52.8±20%	2.8	3.0
CDRR127NP-680MC	680	68±20%	77.8±20%	2.1	2.4
CDRR127NP-101MC	101	100±20%	125±20%	1.9	2.0
CDRR127NP-151MC	151	150±20%	175±20%	1.5	1.6
CDRR127NP-221MC	221	220±20%	258±20%	1.3	1.3
CDRR127NP-331MC	331	330±20%	340±20%	1.1	1.1
CDRR127NP-471MC	471	470±20%	554±20%	0.9	0.9
CDRR127NP-681MC	681	680±20%	846±20%	0.7	0.7
CDRR127NP-102MC	102	1000±20%	1271±20%	0.6	0.57

※1 Inductance tested at 100kHz.
※2 Saturation current: This indicates the value of current when the inductance is 10% lower than its initial value.
※3 Temperature rise current: The value of DC current when the temperature rise is △T＝40℃(Ta=20℃).

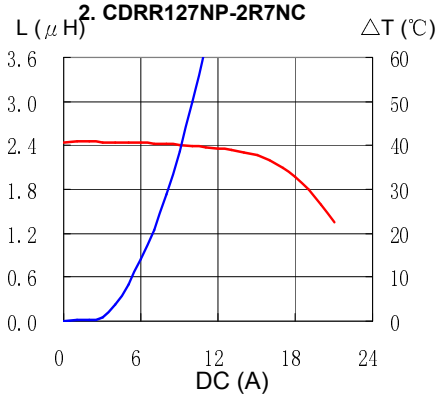
Saturation Current & Temperature Rise Graph

L (20℃) △T

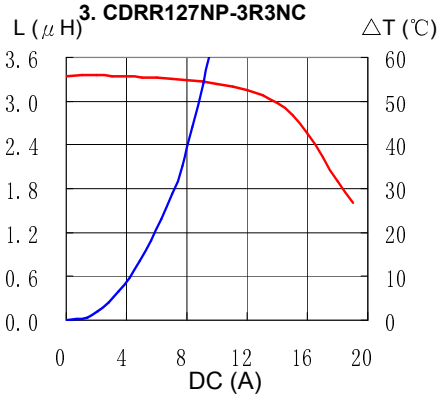
1. CDRR127NP-1R0NC



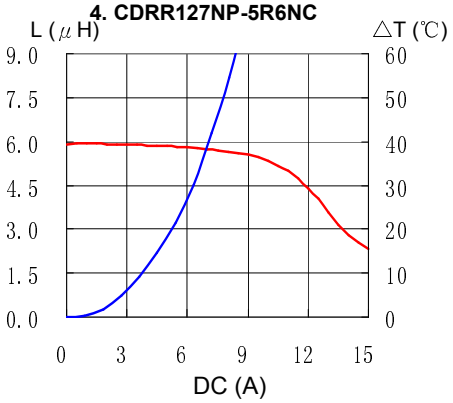
2. CDRR127NP-2R7NC



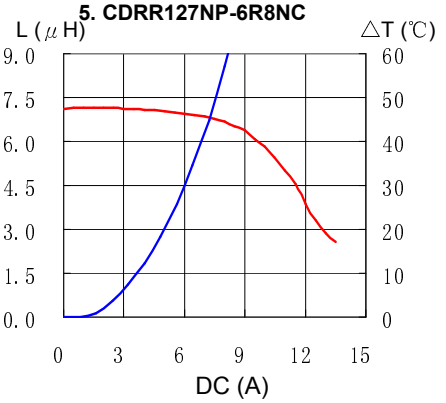
3. CDRR127NP-3R3NC



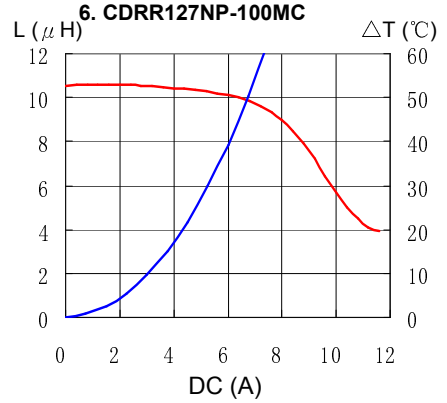
4. CDRR127NP-5R6NC



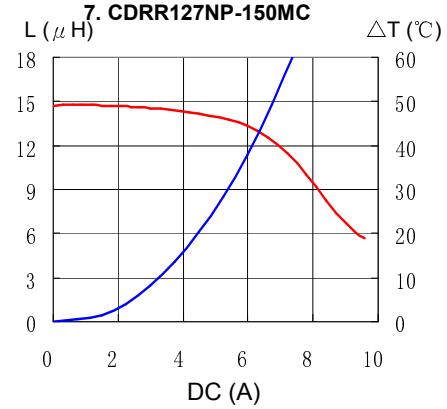
5. CDRR127NP-6R8NC



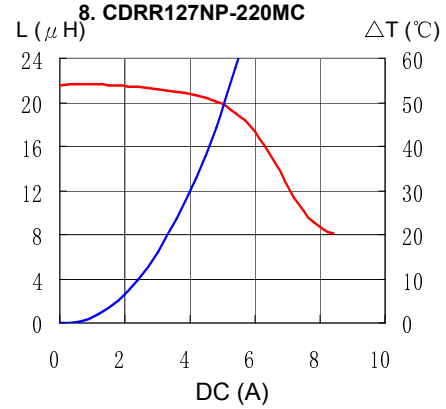
6. CDRR127NP-100MC



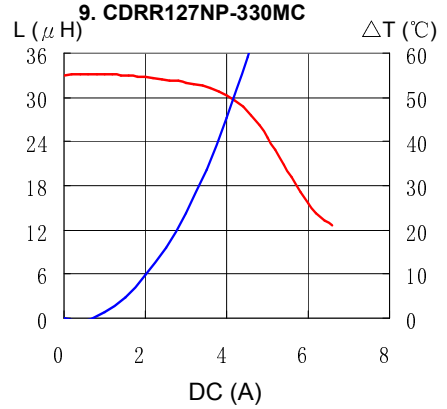
7. CDRR127NP-150MC



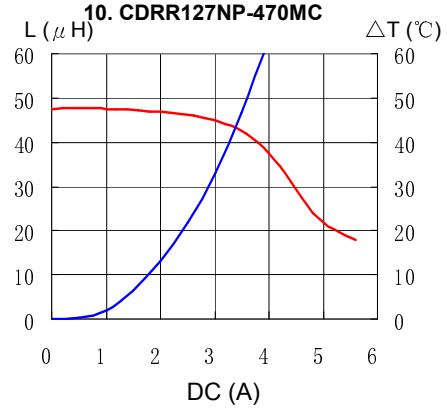
8. CDRR127NP-220MC



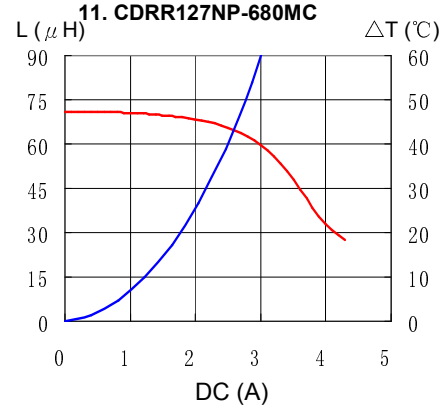
9. CDRR127NP-330MC



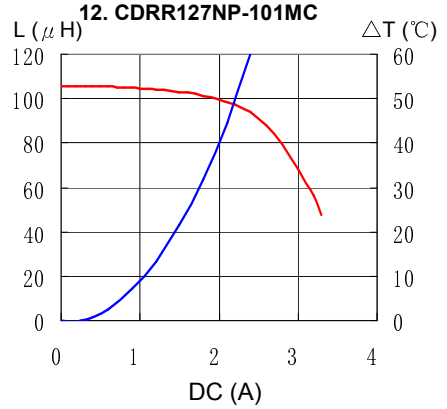
10. CDRR127NP-470MC



11. CDRR127NP-680MC



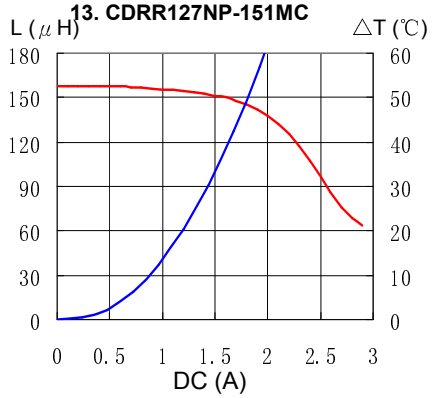
12. CDRR127NP-101MC



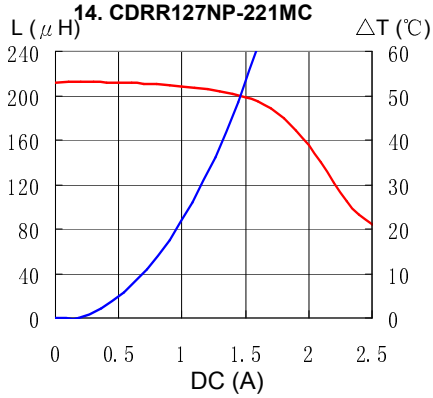
Saturation Current & Temperature Rise Graph

L (20℃) △T

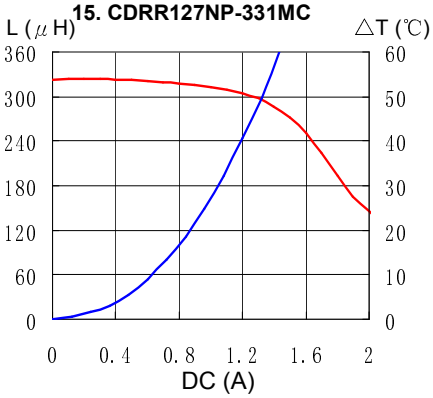
13. CDRR127NP-151MC



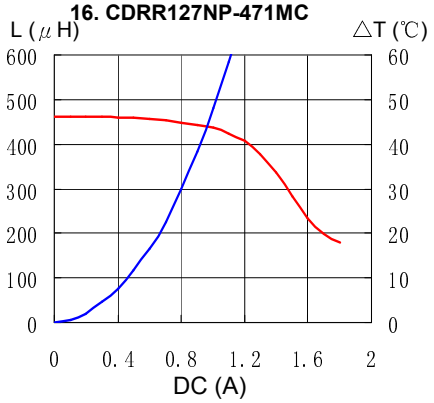
14. CDRR127NP-221MC



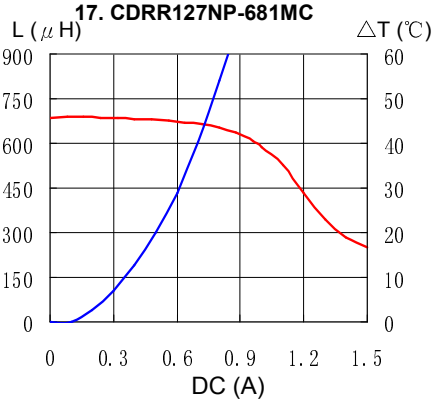
15. CDRR127NP-331MC



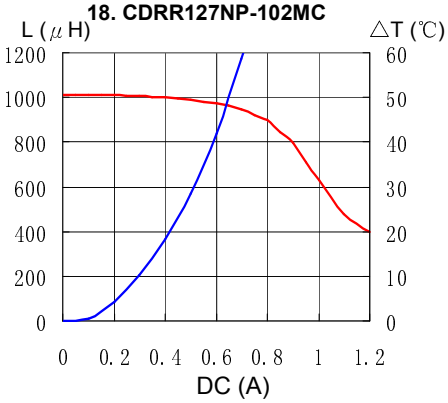
16. CDRR127NP-471MC



17. CDRR127NP-681MC

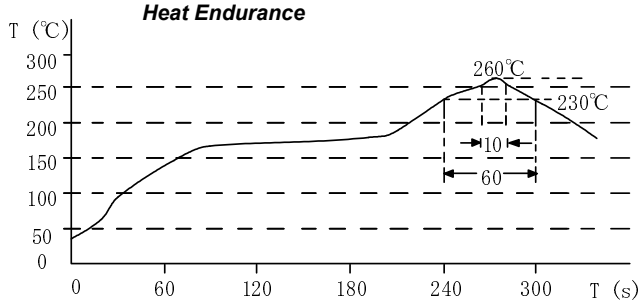


18. CDRR127NP-102MC

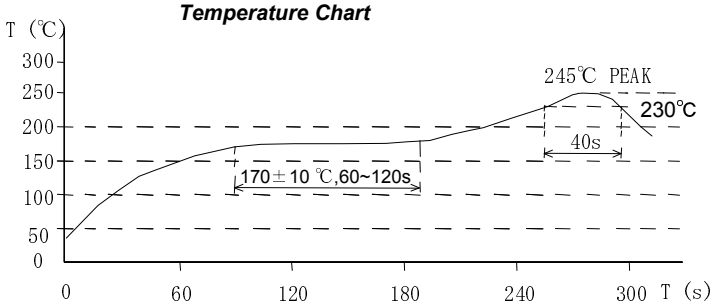


Solder Reflow Condition

Heat Endurance



Temperature Chart



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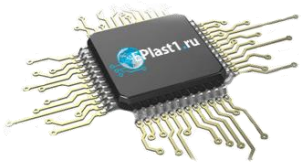
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- 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);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- 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.



Как с нами связаться

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