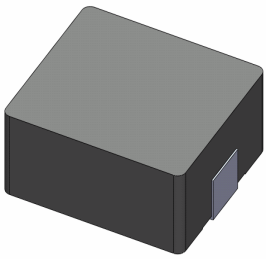
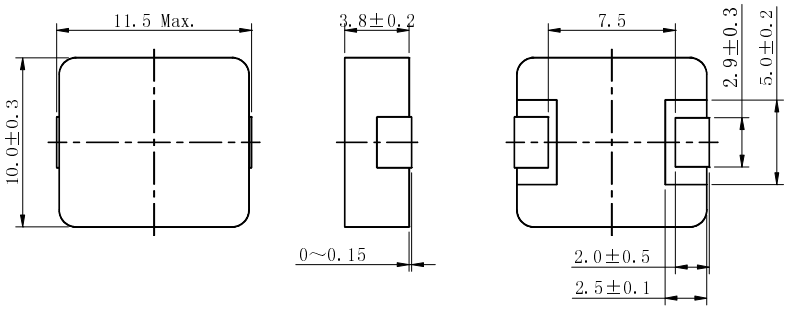
SMD Power Inductor
104CDMCC/DS

RoHS

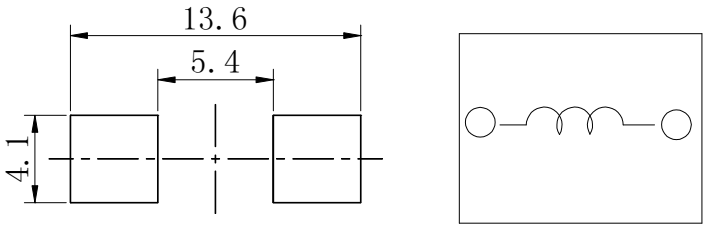
Halogen Free



Dimension - [mm]



Land pattern and Schematics - [mm]



Description
- Metal compound molding type construction.
- Magnetically shielded.
- Low audible core noise.
- Suitable for large current.
- L × W × H: 11.5 × 10.3 × 4.0 mm Max.
- Product weight:2.2 g (Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Halogen Free available.

Environmental Data
- Operating temperature range: -55℃～+125℃ (including coil's self temperature rise)
- Storage temperature range: -55℃～+125℃
- Solder reflow temperature: 260 ℃ peak.

Packaging
- Carrier tape and reel packaging.
- 500pcs per reel.

Applications
- Ideally used in notebook, ultrabook, tablet PC, LCD display, Server application.
- High current, POL converters.
- Low profile, high current power supplies.
- Battery powered devices.
- DC/DC converters in distributed power systems.

Revised: 25-May-16

Electrical Characteristics

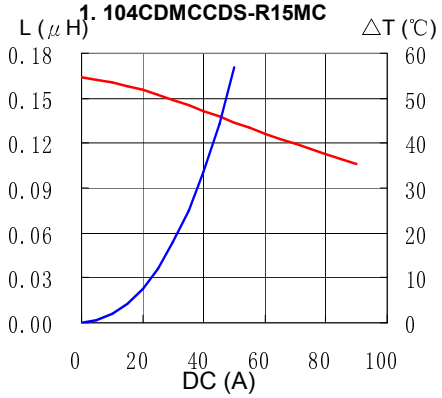
Part No.	Stamp	Inductance [Within] (μH) ※1	D.C.R (mΩ) Max.(Typ.) at 25℃	Saturation Current (A) Max.(Typ.) (at 25℃) ※2	Temperature rise current (A) (Typ.) ※3
104CDMCCDS-R15MC	R15	0.15±20%	0.65(0.5)	60(71)	43.0
104CDMCCDS-R22MC	R22	0.22±20%	0.7(0.6)	59(70)	38.0
104CDMCCDS-R30MC	R30	0.30±20%	0.90(0.78)	44(52)	35.0
104CDMCCDS-R36MC	R36	0.36±20%	1.06(0.92)	44(52)	32.0
104CDMCCDS-R47MC	R47	0.47±20%	1.7(1.5)	43(51)	28.0
104CDMCCDS-R56MC	R56	0.56±20%	1.65(1.43)	34(40)	27.0
104CDMCCDS-R68MC	R68	0.68±20%	2.25(1.95)	33(39)	23.5
104CDMCCDS-R80MC	R80	0.80±20%	2.42(2.10)	27(32)	23.0
104CDMCCDS-1R0MC	1R0	1.0±20%	3.05(2.65)	26(31)	19.5
104CDMCCDS-1R5MC	1R5	1.5±20%	3.8(3.3)	24(29)	19.0
104CDMCCDS-2R2MC	2R2	2.2±20%	7.0(6.0)	18(21)	15.0
104CDMCCDS-3R3MC	3R3	3.3±20%	12.0(10.0)	16(18)	12.0
104CDMCCDS-4R7MC	4R7	4.7±20%	14.8(12.8)	14(16)	11.0
104CDMCCDS-6R8MC	6R8	6.8±20%	25.0(22.0)	11.0(12.5)	8.5
104CDMCCDS-8R2MC	8R2	8.2±20%	27.0(25.0)	10.0(12.0)	8.3
104CDMCCDS-100MC	100	10±20%	30.0(27.0)	8.5(10.0)	7.5
104CDMCCDS-150MC	150	15±20%	45.0(40.0)	6.1(7.2)	6.3
104CDMCCDS-220MC	220	22±20%	66.0(58.0)	5.5(6.5)	5.0
104CDMCCDS-330MC	330	33±20%	92.0(85.0)	4.4(5.2)	4.1
104CDMCCDS-470MC	470	47±20%	145(130)	3.6(4.3)	3.2
104CDMCCDS-680MC	680	68±20%	195(178)	3.4(4.0)	2.5

※1 Measuring frequency Inductance at 100kHz ,1.0V
※2 Saturation current: The value of DC current when the inductance is over 30% of its initial value. (at 25℃)
※3 Temperature rise current: The actual value of DC current when temperature of coil rise is △T=40℃(Ta=25℃)

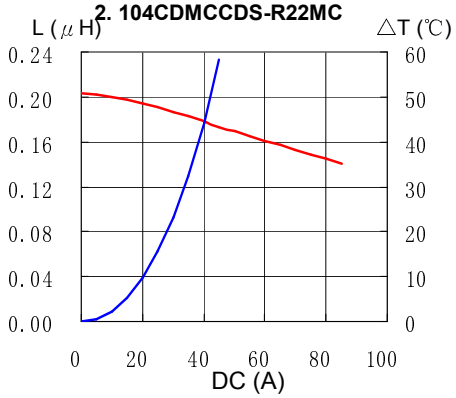
Saturation Current & Temperature Rise Graph

L (20℃) △T

1. 104CDMCCDS-R15MC



2. 104CDMCCDS-R22MC



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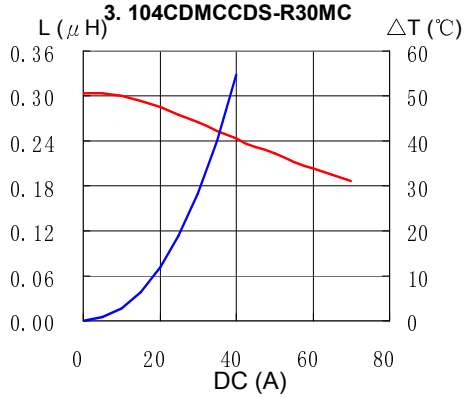

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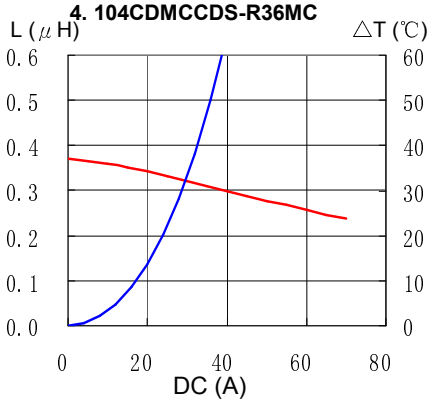
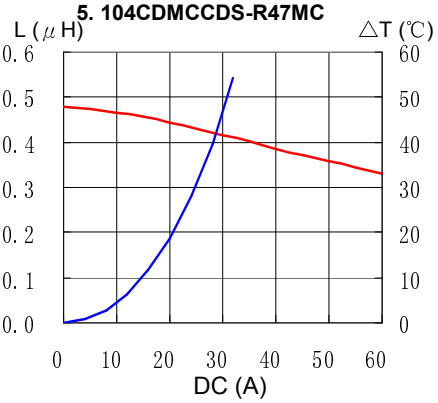
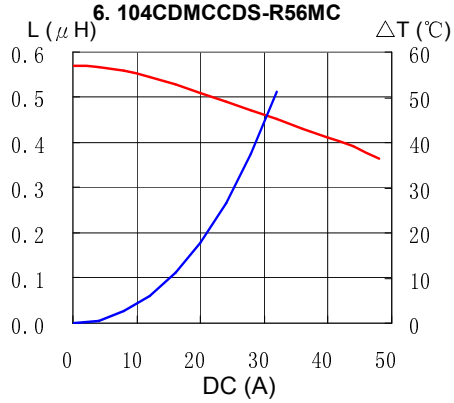


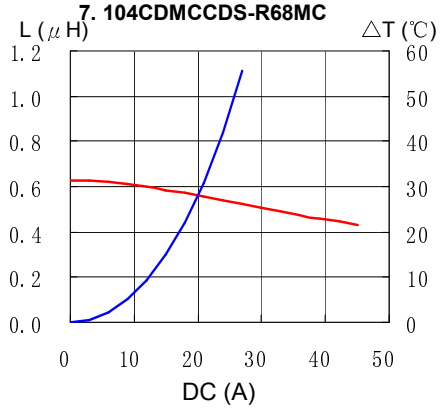
5. 104CDMCCDS-R47MC



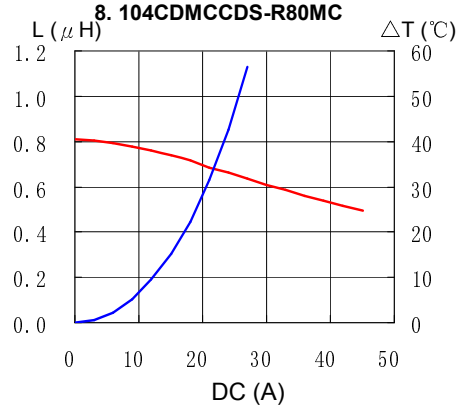
6. 104CDMCCDS-R56MC



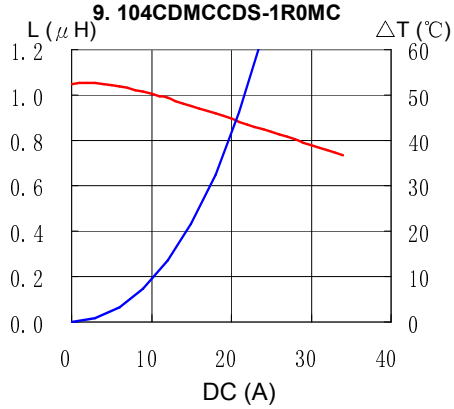
7. 104CDMCCDS-R68MC



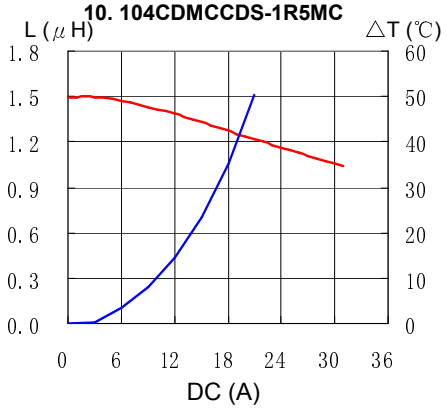
8. 104CDMCCDS-R80MC



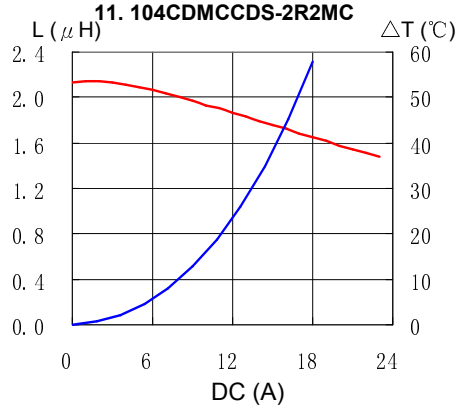
9. 104CDMCCDS-1R0MC



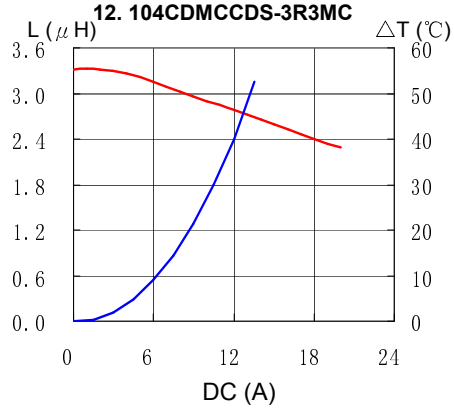
10. 104CDMCCDS-1R5MC



11. 104CDMCCDS-2R2MC



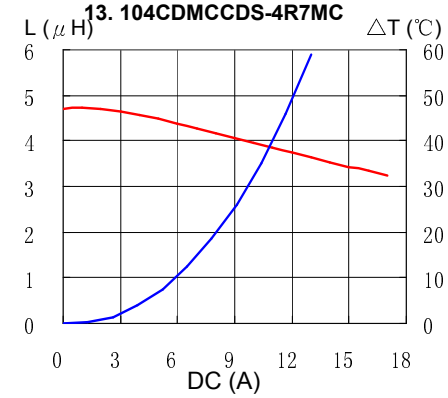
12. 104CDMCCDS-3R3MC



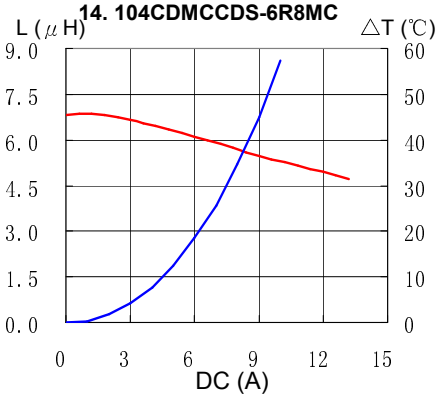
Saturation Current & Temperature Rise Graph

L (20℃) △T

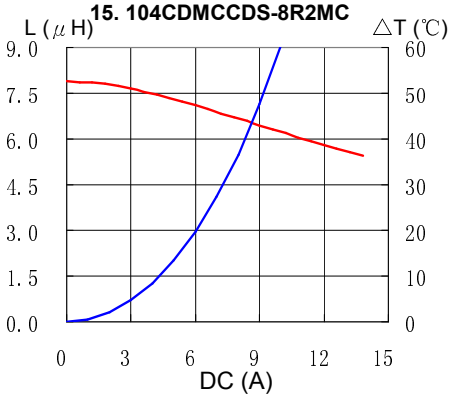
13. 104CDMCCDS-4R7MC



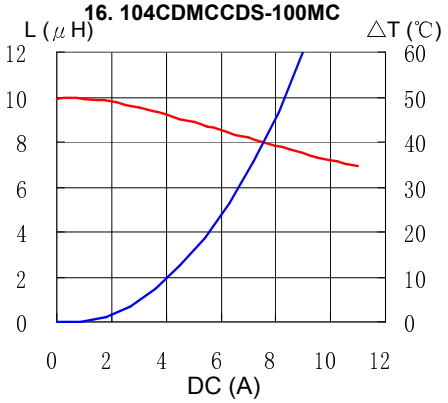
14. 104CDMCCDS-6R8MC



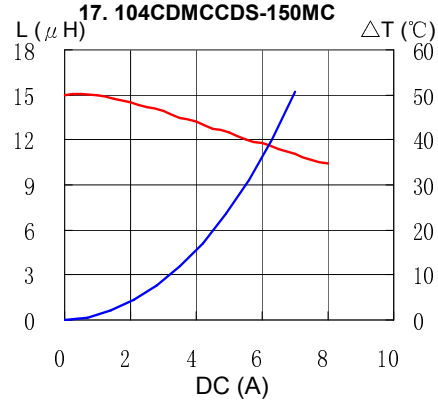
15. 104CDMCCDS-8R2MC



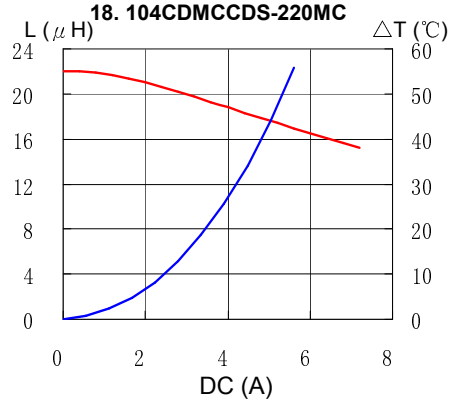
16. 104CDMCCDS-100MC



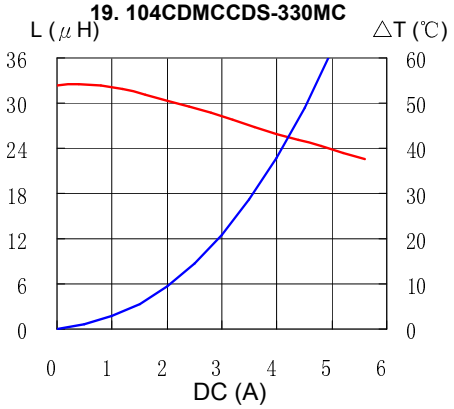
17. 104CDMCCDS-150MC



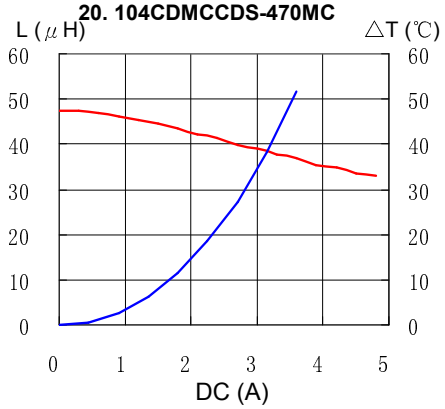
18. 104CDMCCDS-220MC



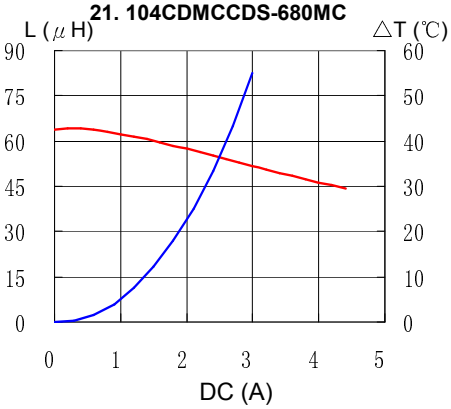
19. 104CDMCCDS-330MC



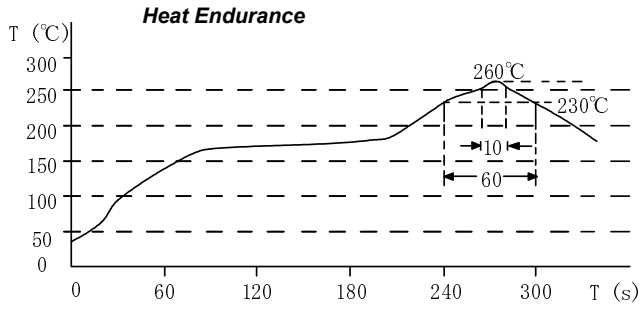
20. 104CDMCCDS-470MC

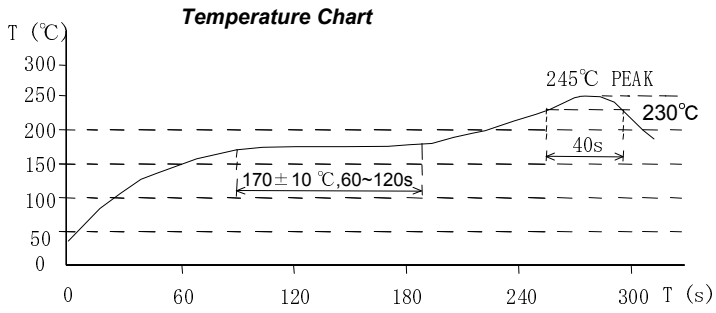


21. 104CDMCCDS-680MC



Solder Reflow Condition





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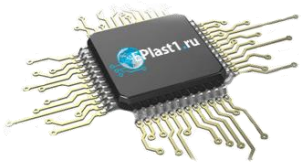
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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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