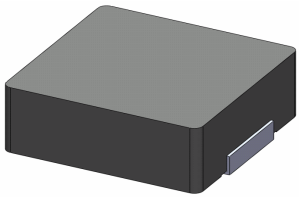
SMD Power Inductor
0624CDMCC/DS

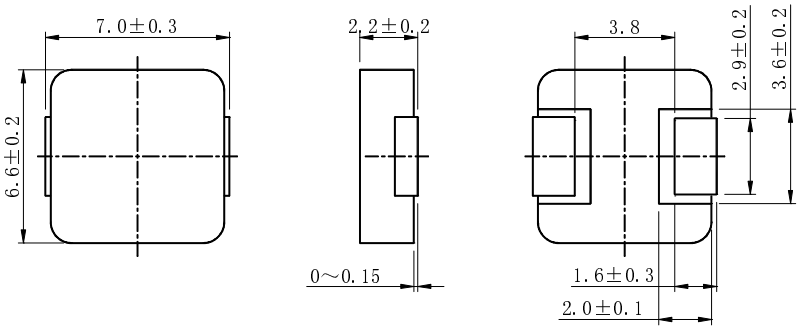
RoHS

Halogen Free

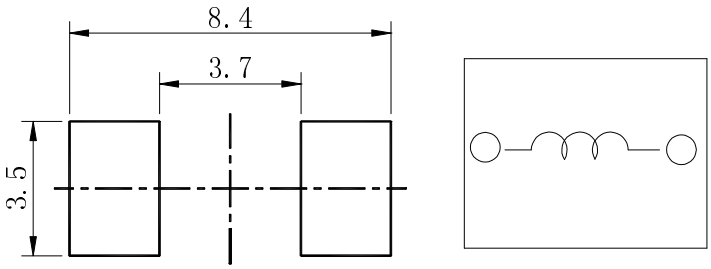


Description
- Metal compound molding type construction.
- Magnetically shielded.
- Low audible core noise.
- Suitable for large current.
- L × W × H: 7.3 × 6.8 × 2.4mm Max.
- Product weight:0.6g (Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Halogen Free available.

Dimension - [mm]



Land pattern and Schematics - [mm]



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.
- 1500pcs/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: 5-Jan-16

Electrical Characteristics

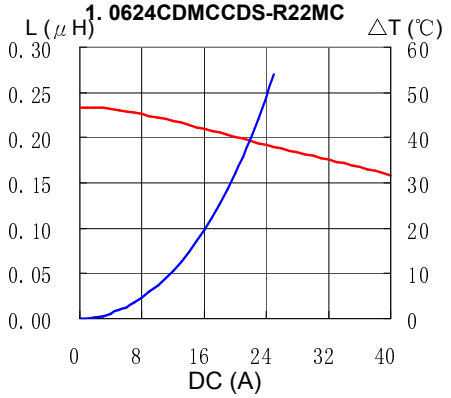
Part No.	Stamp	Inductance [Within] (μH) ※1	D.C.R (mΩ) Max.(Typ.) at 25℃	Saturation Current (A) Max.(Typ.) (at 25℃) ※2	Temperature rise current (A) (Typ.) ※3
0624CDMCCDS-R22MC	R22	0.22±20%	3.0(2.5)	30.6(36.1)	22.0
0624CDMCCDS-R33MC	R33	0.33±20%	4.1(3.5)	24.2(28.5)	20.5
0624CDMCCDS-R47MC	R47	0.47±20%	5.1(4.5)	20.8(24.5)	17.5
0624CDMCCDS-R56MC	R56	0.56±20%	6.5(5.5)	17.0(20.0)	15.4
0624CDMCCDS-R68MC	R68	0.68±20%	7.0(6.2)	16.0(18.8)	15.0
0624CDMCCDS-1R0MC	1R0	1.0±20%	9.6(8.0)	13.7(16.2)	12.6
0624CDMCCDS-1R5MC	1R5	1.5±20%	19.2(16.0)	12.7(15.0)	8.7
0624CDMCCDS-2R2MC	2R2	2.2±20%	28.0(23.0)	10.9(12.8)	7.0
0624CDMCCDS-3R3MC	3R3	3.3±20%	48.0(40.0)	9.0(10.6)	5.5
0624CDMCCDS-4R7MC	4R7	4.7±20%	54.0(45.0)	6.5(7.6)	4.8
0624CDMCCDS-6R8MC	6R8	6.8±20%	66.0(55.0)	5.7(6.7)	4.2
0624CDMCCDS-100MC	100	10.0±20%	101.0(92.0)	4.7(5.5)	3.1
0624CDMCCDS-150MC	150	15.0±20%	160.0(145.0)	3.1(3.7)	2.5
0624CDMCCDS-220MC	220	22.0±20%	242.0(222.0)	2.7(3.2)	1.9

※1 Measuring frequency Inductance at 100kHz ,1.0V
※2 Saturation current: The value of DC current when the inductance is over 70% 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℃) Board conditions: FR4, Copper=70μm,four-layer PWB, t=1.6mm.

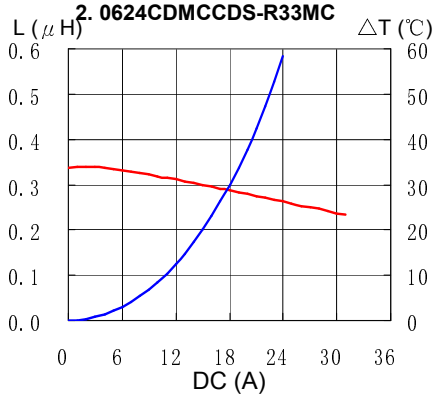
Saturation Current & Temperature Rise Graph

L (20℃) △T

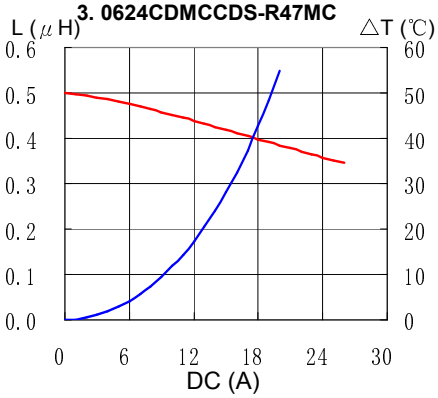
1. 0624CDMCCDS-R22MC



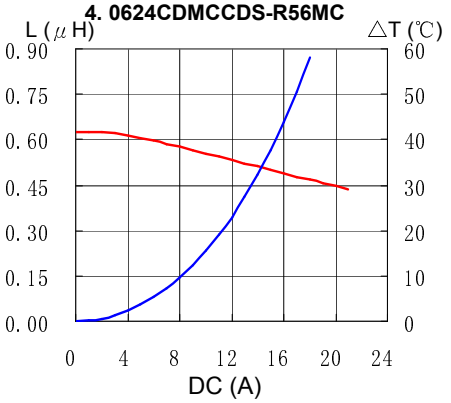
2. 0624CDMCCDS-R33MC



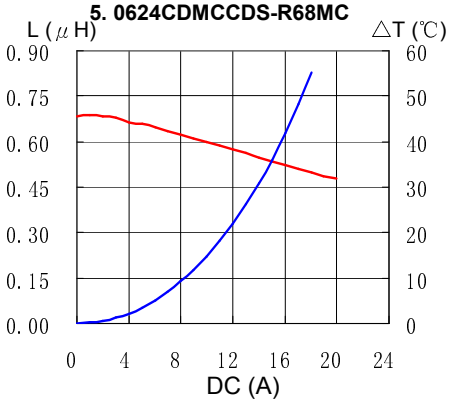
3. 0624CDMCCDS-R47MC



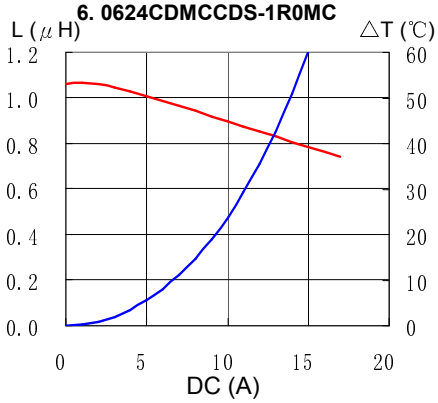
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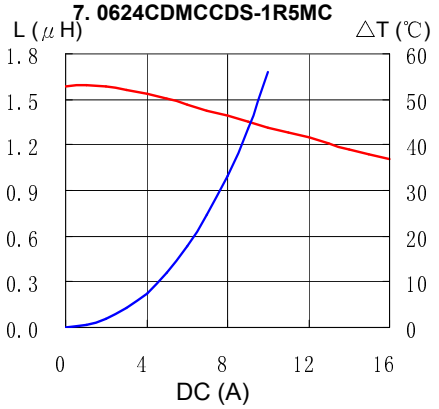
5. 0624CDMCCDS-R68MC



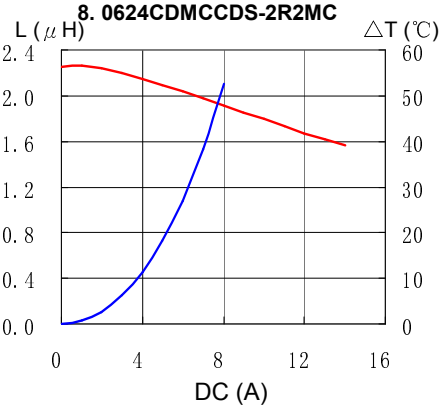
6. 0624CDMCCDS-1R0MC



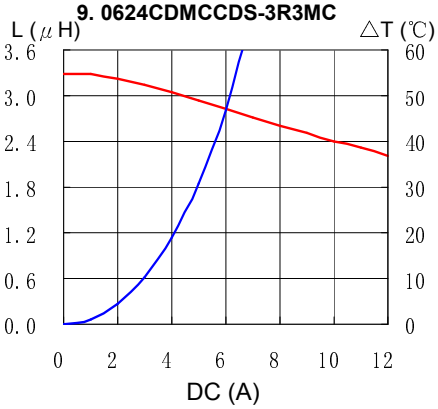
7. 0624CDMCCDS-1R5MC



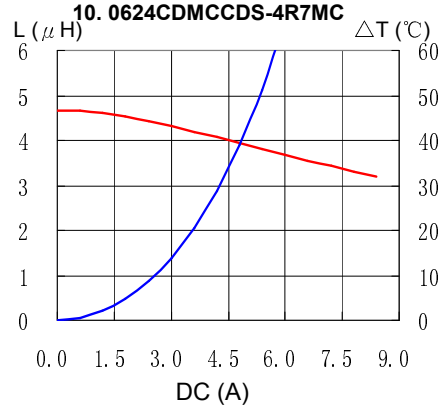
8. 0624CDMCCDS-2R2MC



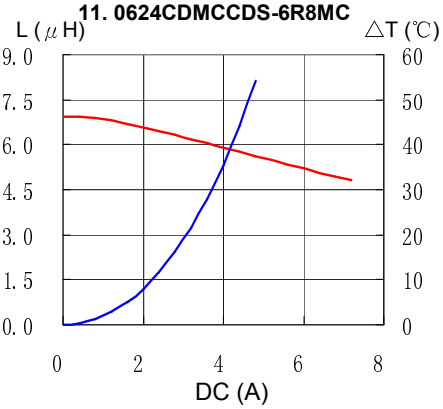
9. 0624CDMCCDS-3R3MC



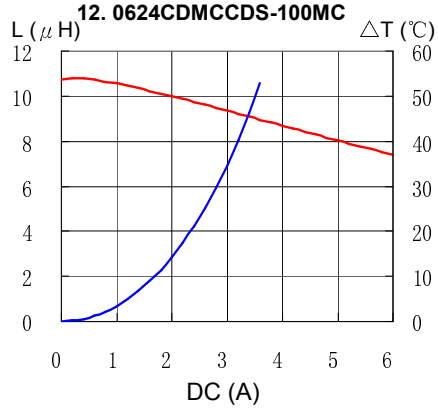
10. 0624CDMCCDS-4R7MC



11. 0624CDMCCDS-6R8MC

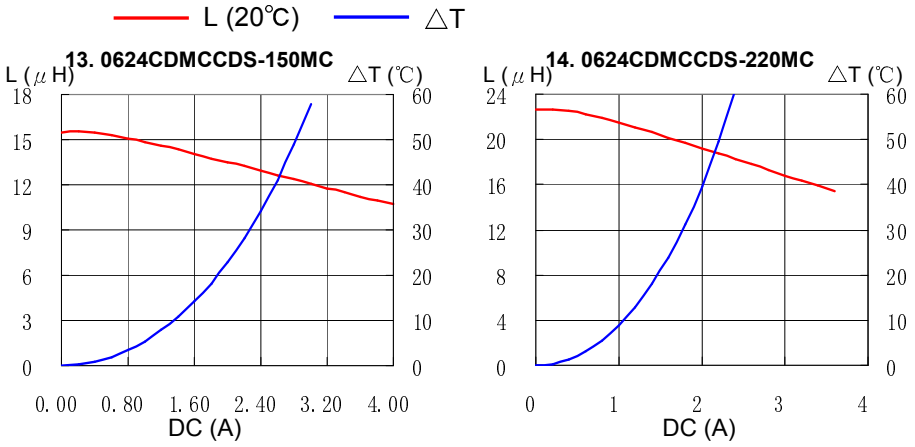


12. 0624CDMCCDS-100MC

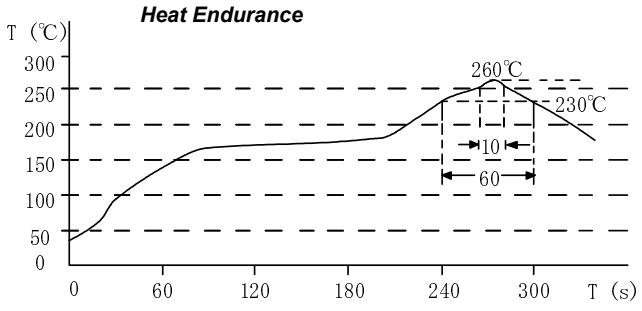


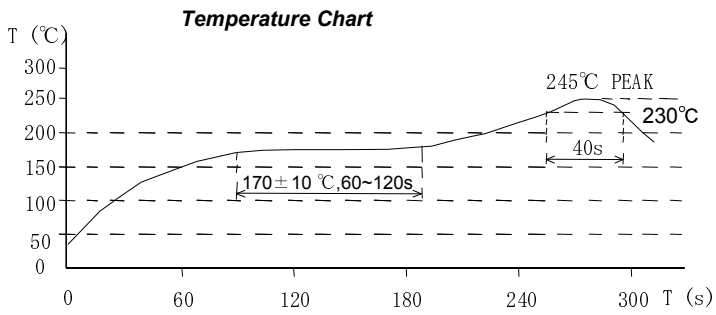
SMD Power Inductor
0624CDMCC/DS

Saturation Current & Temperature Rise Graph



Solder Reflow Condition





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