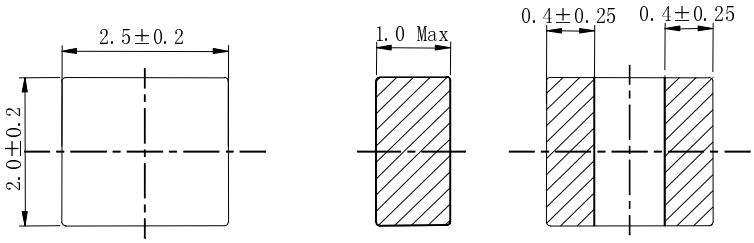
SMD Power Inductor
252010CDMC/DS

RoHS

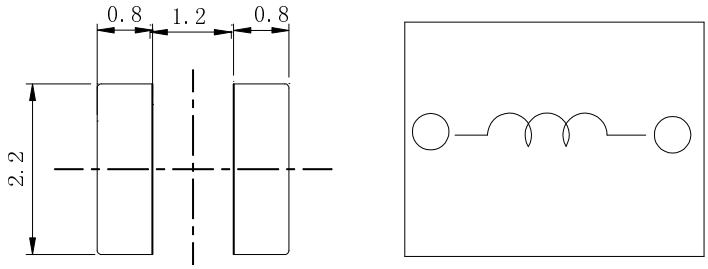
Halogen Free

Description
- Magnetically shielded.
- L × W × H: 2.7 × 2.2 × 1.0 mm Max.
- Product weight: 30mg(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Halogen Free available.

Dimension - [mm]



Land pattern and Schematics - [mm]



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.
- 7.1"diameter reel
- 3000pcs per reel

Applications
- Ideally used in smart phone, tablet PC,SSD USB3.0 and other low profile high current application.

Electrical Characteristics

Part No.	Inductance [Within] (μH) ※1	D.C.R [Within] (mΩ)at 25℃	Saturation current Max.(Typ.) (A) ※2	Temperature rise current Max.(Typ.) (A) Thermocouple Method ※3
252010CDMCDS-R47MC	0.47±20%	28±20%	4.4(5.5)	3.6(4.1)
252010CDMCDS-1R0MC	1.0±20%	50±20%	3.0(4.0)	2.7(3.0)
252010CDMCDS-1R5MC	1.5±20%	80±20%	2.6(3.5)	2.1(2.4)
252010CDMCDS-2R2MC	2.2±20%	103±20%	2.2(2.7)	2.0(2.2)
252010CDMCDS-3R3MC	3.3±20%	190±20%	1.6(2.2)	1.2(1.6)
252010CDMCDS-4R7MC	4.7±20%	240±20%	1.4(1.9)	1.0(1.4)

※1. Inductance measuring condition: at 1MHz.
※2 Saturation current: The value of DC current when the inductance is over 70% of the initial value. (at 25℃)
※3 Temperature rise current: The actual value of DC current when the top surface temperature of test sample rise is △T＝40℃(Ta＝25℃).

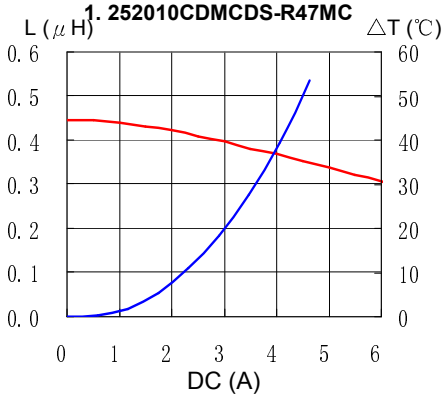
Revised: 19-Jun-13

SMD Power Inductor
252010CDMC/DS

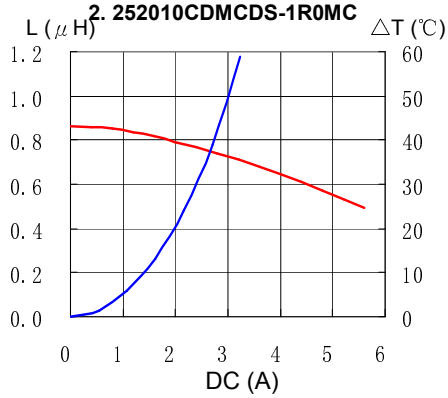
Saturation Current & Temperature Rise Graph

L (20℃) △T

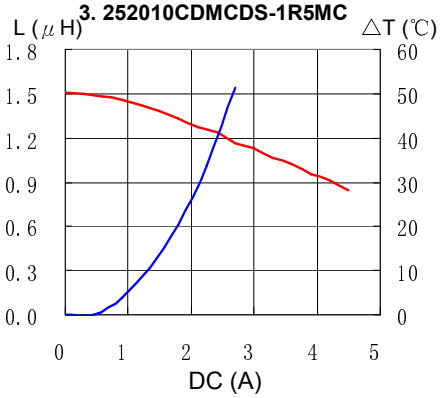
1. 252010CDMCDS-R47MC



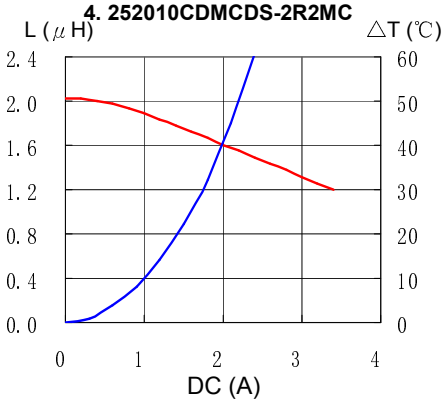
2. 252010CDMCDS-1R0MC



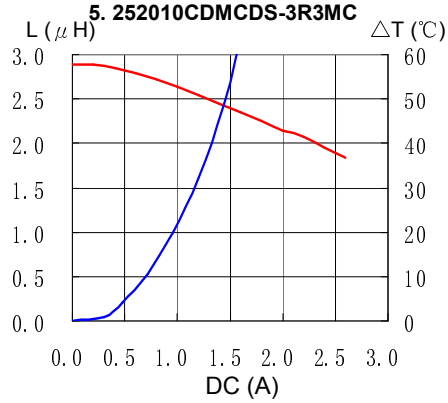
3. 252010CDMCDS-1R5MC



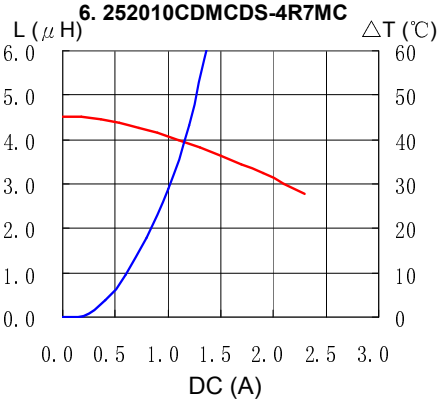
4. 252010CDMCDS-2R2MC



5. 252010CDMCDS-3R3MC

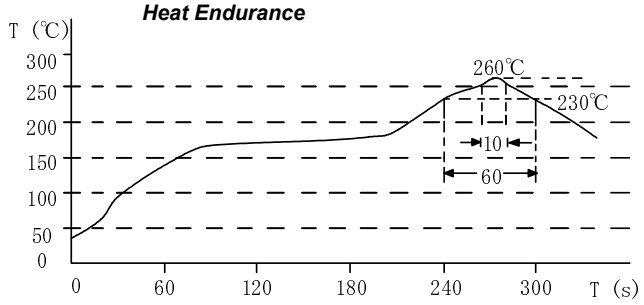


6. 252010CDMCDS-4R7MC

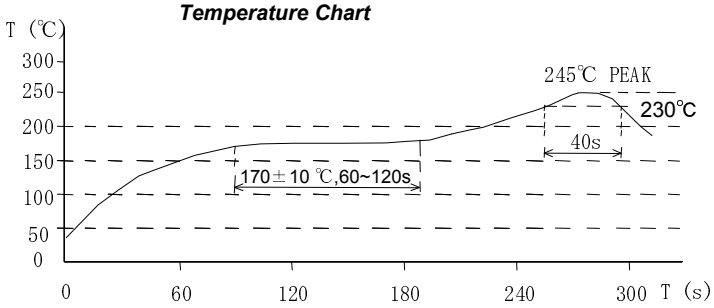


Solder Reflow Condition

Heat Endurance



Temperature Chart



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