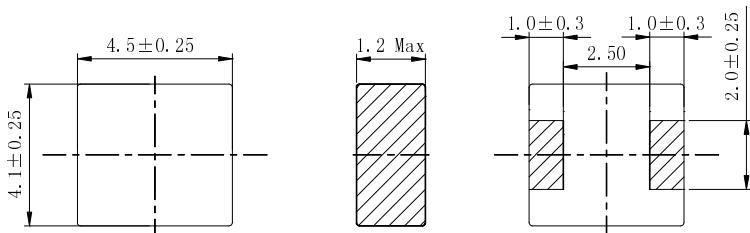


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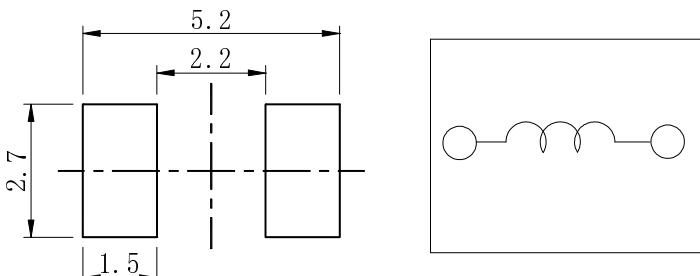
0412CDM**C**B/DS



Dimension - [mm]



Land pattern and Schematics - [mm]



Electrical Characteristics

Part No.	Stamp	Inductance (μ H) [Within] $\otimes 1$	D.C.R (m Ω) [within] (at 25°C)	Saturation Current [Typ.] (A) $\otimes 2$	Temperature rise current [Typ.] (A) Thermocouple Method $\otimes 3$
0412CDMCBDS-R47MC	R47	0.47 ± 20%	19 ± 20%	8.2	5.4
0412CDMCBDS-1R0MC	1R0	1.0 ± 20%	40 ± 20%	5.3	4.5
0412CDMCBDS-1R5MC	1R5	1.5 ± 20%	60 ± 20%	4.4	3.3
0412CDMCBDS-2R2MC	2R2	2.2 ± 20%	79 ± 20%	3.6	2.8
0412CDMCBDS-3R3MC	3R3	3.3 ± 20%	115 ± 20%	3.3	2.3
0412CDMCBDS-4R7MC	4R7	4.7 ± 20%	160 ± 20%	2.7	1.9
0412CDMCBDS-6R8MC	6R8	6.8 ± 20%	240 ± 20%	2.3	1.6
0412CDMCBDS-100MC	100	10.0 ± 20%	370 ± 20%	1.6	1.3

※1. Inductance measuring condition: at 100kHz.

※2. Saturation current: The value of DC current when the inductance is over 80% of the initial value. (at 25°C)

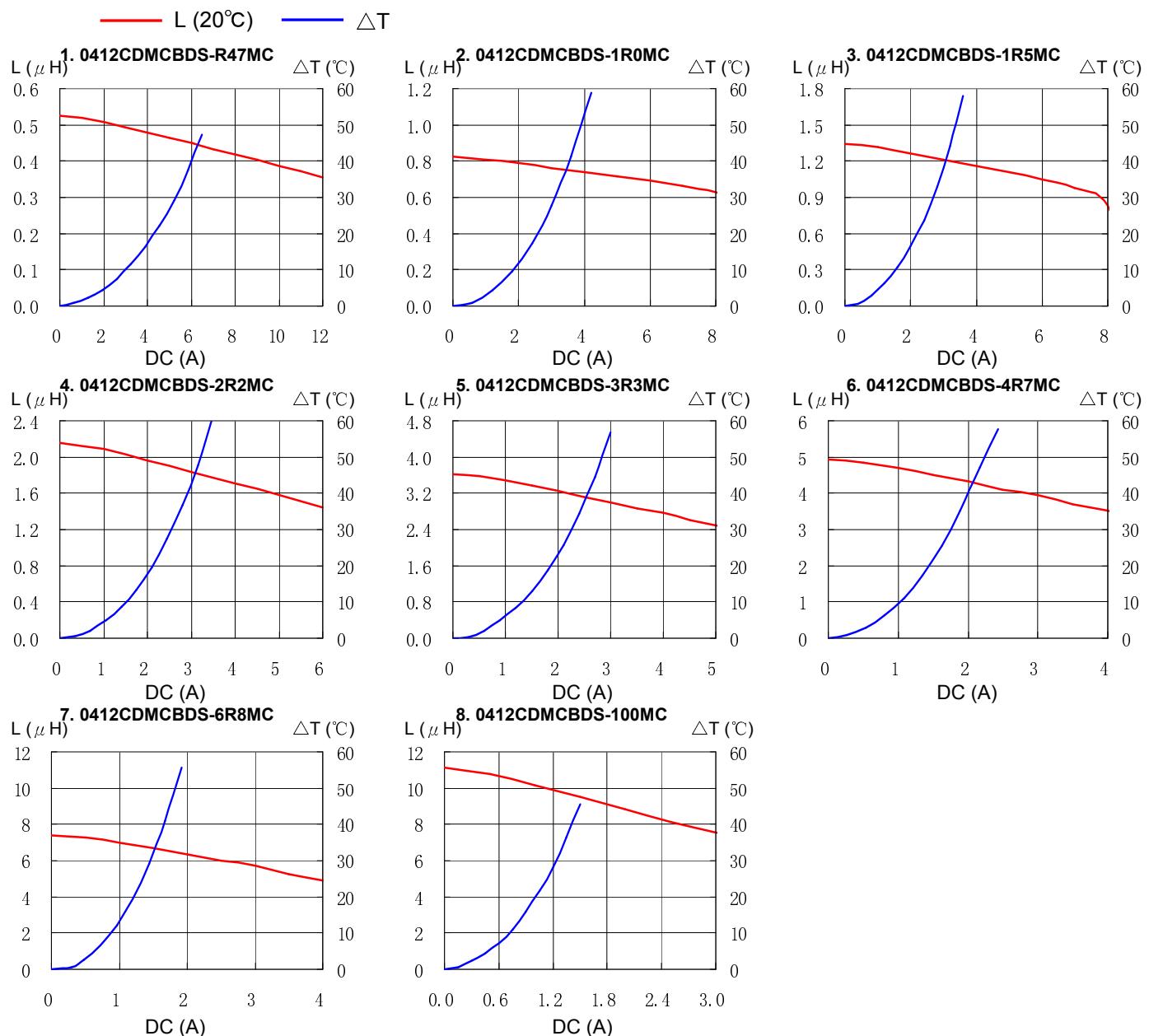
※3. Temperature rise current: The actual value of DC current when the top surface temperature of test sample rise is $\Delta T = 40^\circ\text{C}$ ($T_a = 25^\circ\text{C}$).

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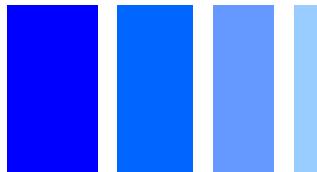


Saturation Current & Temperature Rise Graph

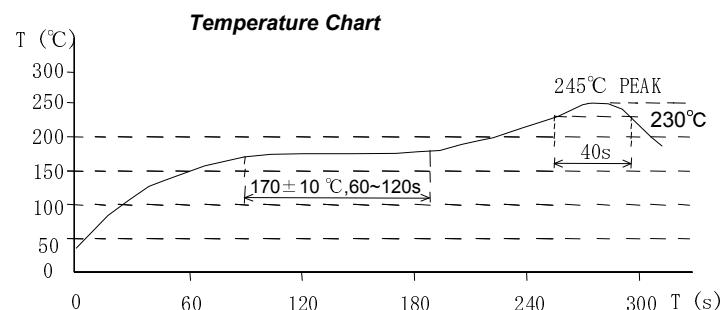
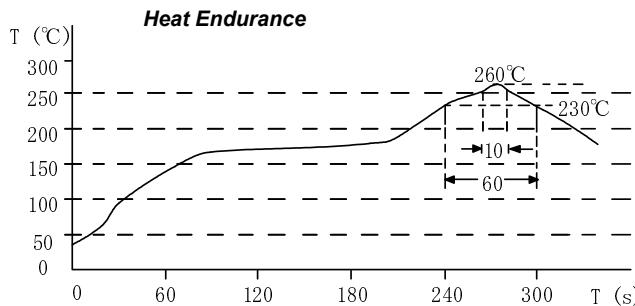


SMD Power Inductor

0412CDM**CB/DS**



Solder Reflow Condition



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