

SMD Power Inductor C252012/DS

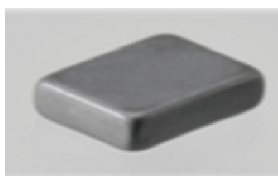


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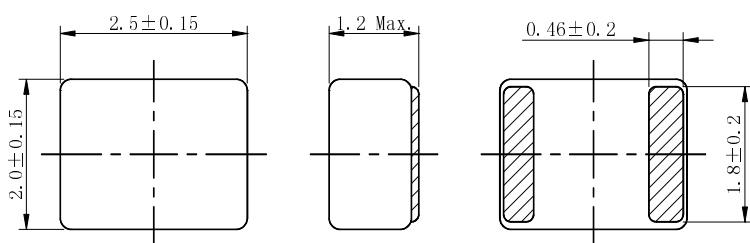
**Halogen
Free**



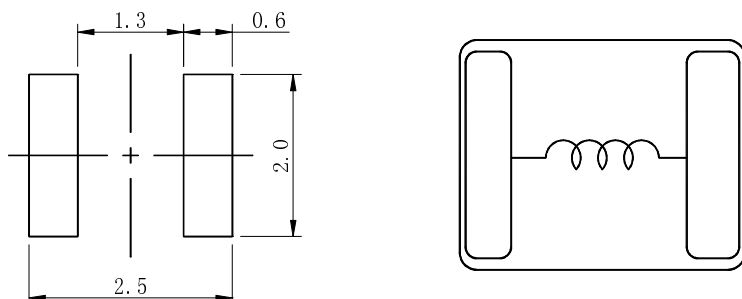
Description

- Multilayer power inductor.
- Magnetically shielded.
- L × W × H: 2.65 × 2.15 × 1.2 mm Max.
- Product weight: 28mg (Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Halogen Free available.

Dimension - [mm]



Land pattern and Schematics - [mm]



Electrical Characteristics

Part No.	L(μH) ±20% ※1	D.C.R. (mΩ) ±25%	Saturation current (mA) ※2	Temperature rise Current (mA)※3
C252012WB-R47	0.47	50	2300	2300
C252012WB-1R0	1.0	80	2000	1900
C252012WB-1R5	1.5	105	1600	1700
C252012WB-2R2	2.2	130	1500	1400
C252012WB-3R3	3.3	230	1300	1000
C252012WB-4R7	4.7	320	1200	900

※1. Inductance measuring condition: at 3MHz.

※2. Saturation current: The value of D.C. current when the inductance decreases to 70% of it's nominal value.

※3. Temperature rise current: The value of D.C. current when the temperature rise is Δt=40°C (Ta=25°C).

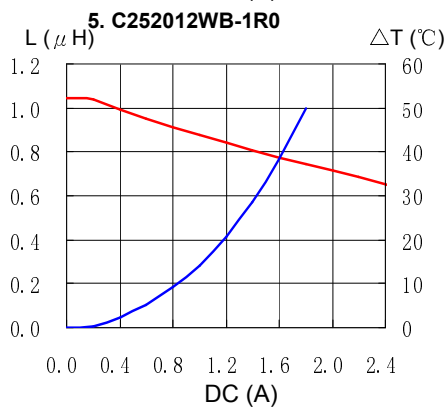
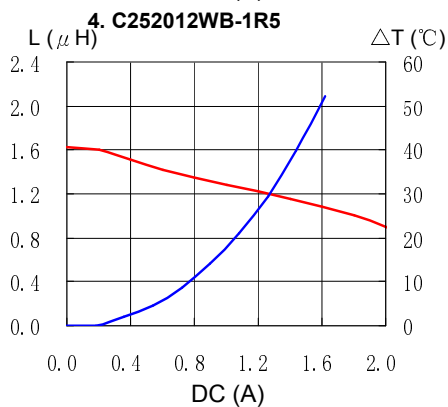
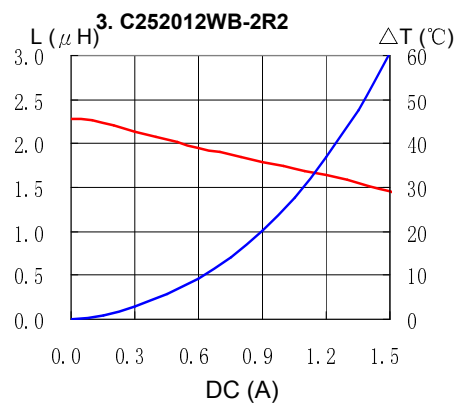
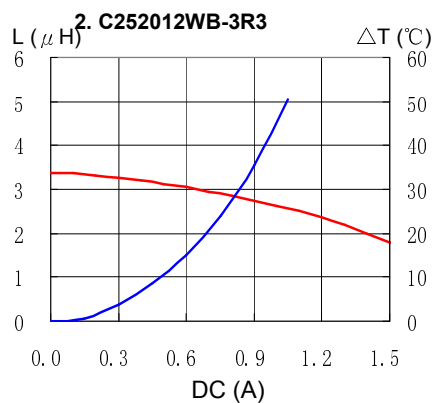
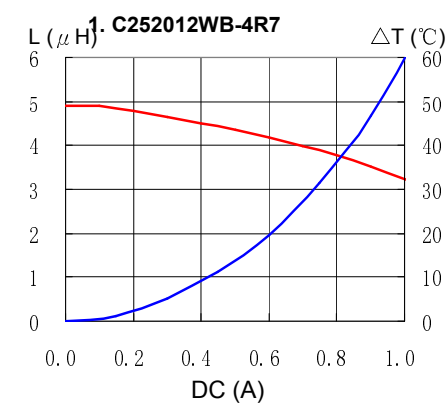
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Saturation Current & Temperature Rise Graph

— L (20°C) — ΔT



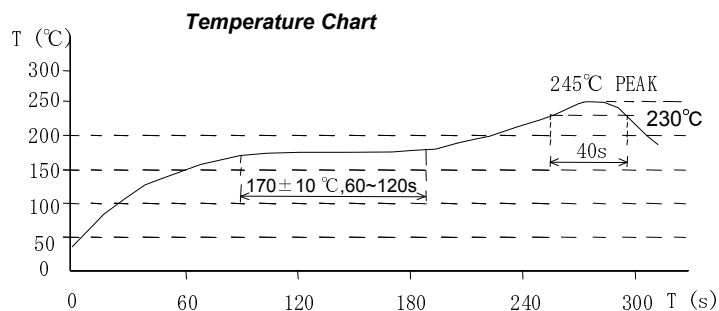
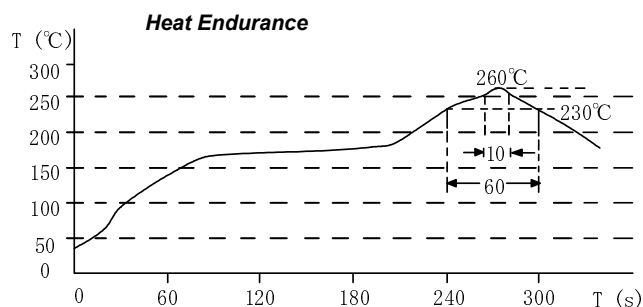
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Solder Reflow Condition



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