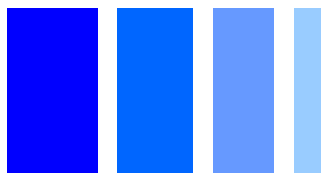


SMD Power Inductor CDH25D11D



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**Halogen
Free**



Description

- Ferrite drum core construction.
- Magnetically unshielded.
- L × W × H: 2.6 × 2.1 × 1.2 mm Max.
- Product weight: 20 mg(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Halogen Free available.

Environmental Data

- Operating temperature range: -40°C~+105°C (including coil's self temperature rise)
- Storage temperature range: -40°C~+105°C
- Solder reflow temperature: 260 °C peak.

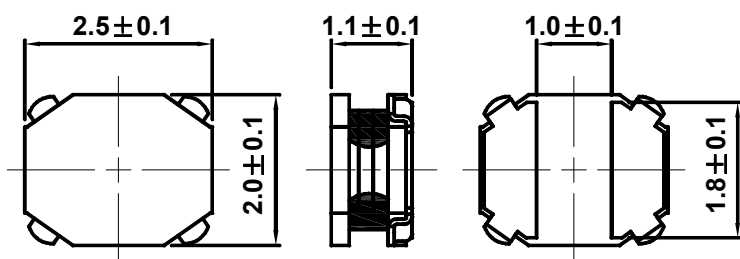
Packaging

- Carrier tape and reel packaging.

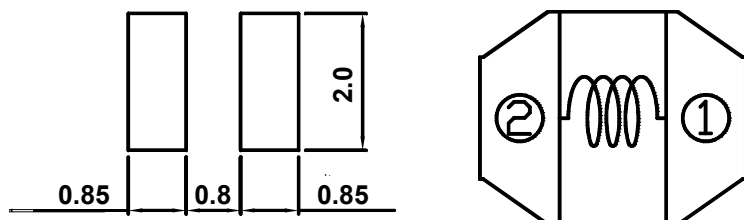
Applications

- Ideally used in HDD, cell phone, PDA, DVC and DSC.

Dimension - [mm]



Land pattern and Schematics - [mm]



Electrical Characteristics

PART NAME	STAMP	INDUCTANCE (μ H) [WITHIN] ※1	D.C.R. (m Ω) [WITHIN] (at 20°C)	SATURATION CURRENT (A) (at 20°C) ※2	TEMPERATURE RISE CURRENT (A) ※3
CDH25D11DHF-1R0NC-H	A	1.0 $\pm$ 30%	79 $\pm$ 25%	2.16	1.52
CDH25D11DHF-1R5NC-H	B	1.5 $\pm$ 30%	118 $\pm$ 25%	1.89	1.25
CDH25D11DHF-2R2MC-H	C	2.2 $\pm$ 20%	167 $\pm$ 25%	1.50	1.02
CDH25D11DHF-3R3MC-H	D	3.3 $\pm$ 20%	215 $\pm$ 25%	1.30	0.96
CDH25D11DHF-4R7MC-H	E	4.7 $\pm$ 20%	318 $\pm$ 20%	1.11	0.76
CDH25D11DHF-6R8MC-H	F	6.8 $\pm$ 20%	495 $\pm$ 20%	0.84	0.58
CDH25D11DHF-100MC-H	G	10 $\pm$ 20%	755 $\pm$ 20%	0.71	0.44

※1. Measuring condition: at 100kHz.

※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 $\Delta t = 40^\circ\text{C}$ ($T_a = 20^\circ\text{C}$).

SMD Power Inductor CDH25D11D

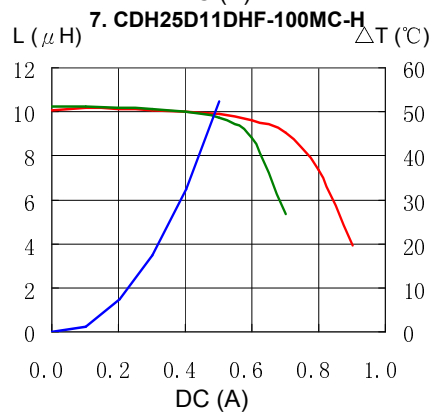
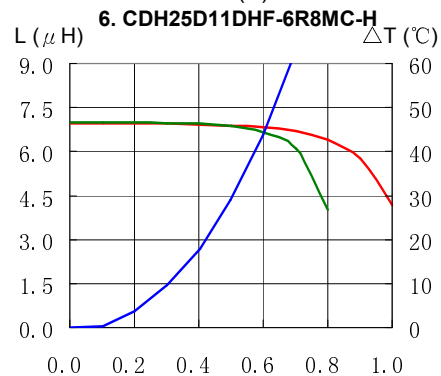
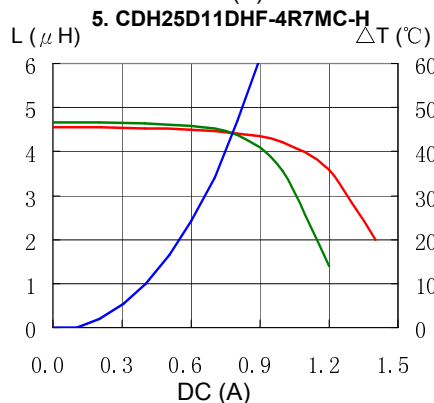
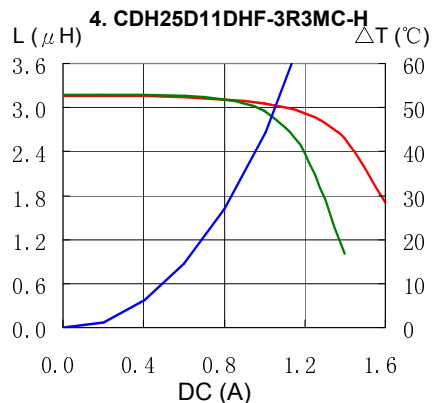
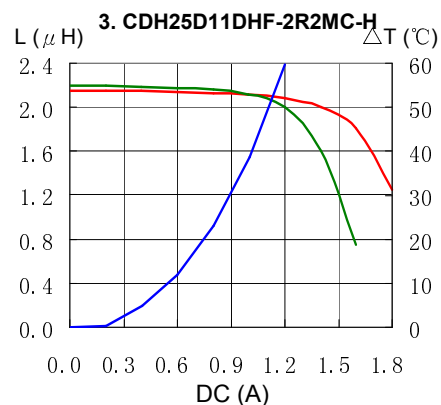
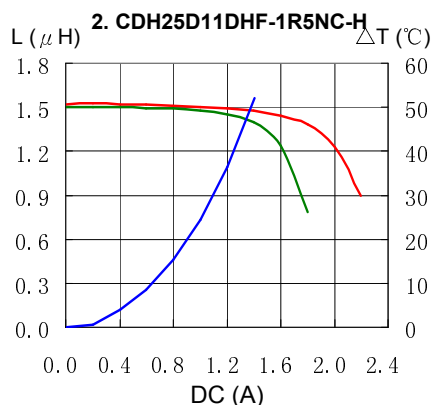
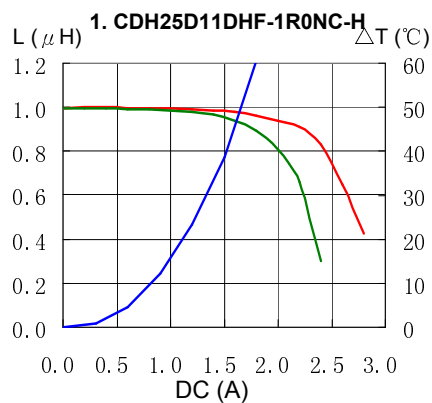


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Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) — ΔT



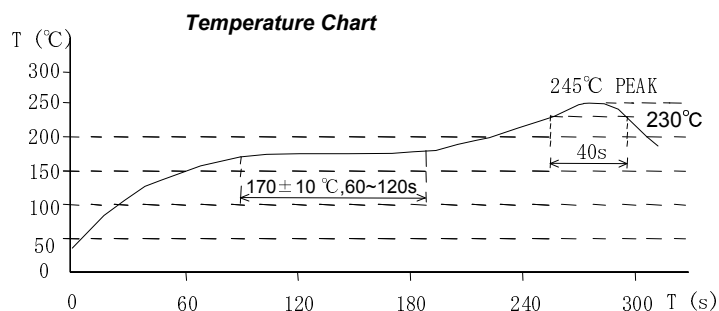
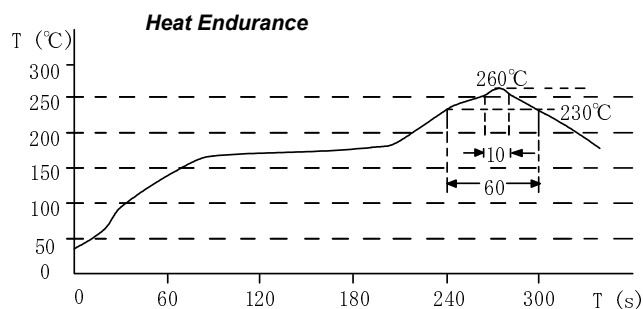
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Solder Reflow Condition



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