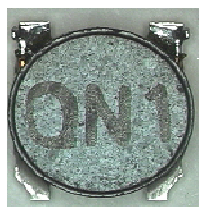


SMD Power Inductor CDH43D11D/HP



**Halogen
Free**



Description

- Ferrite drum core construction.
- Magnetically unshielded.
- L × W × H: 4.6 × 4.5 × 1.2mm Max.
- Product weight: 73mg(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.

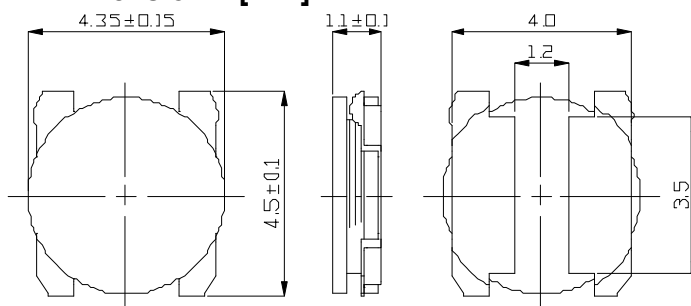
Packaging

- Carrier tape and reel packaging.
- 13.0" diameter reel
- 4000pcs per reel

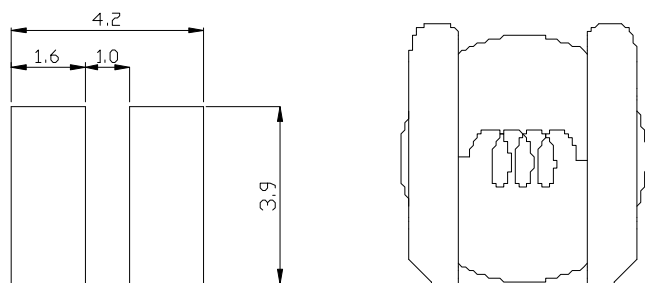
Applications

- Ideally used in Mobile phone, PDA, MP3, DSC/DVC, HDD etc as DC-DC converter .

Dimension - [mm]



Land pattern and Schematics - [mm]



Electrical Characteristics

Part No.	Stamp	Inductance (μH) [Within] ※1	D.C.R. (mΩ) [Within] (at 20°C)	Saturation current (A) ※2 (at 20°C)	Temperature rise current (A) ※3
CDH43D11DHPNP-1R0NC	A	1.0 ± 30%	44 ± 25%	3.30	2.90
CDH43D11DHPNP-1R6NC	C	1.6 ± 30%	65 ± 25%	2.60	2.50
CDH43D11DHPNP-2R2MC	E	2.2 ± 20%	88 ± 25%	2.20	1.95
CDH43D11DHPNP-3R3MC	G	3.3 ± 20%	128 ± 20%	1.80	1.64
CDH43D11DHPNP-4R7MC	J	4.7 ± 20%	180 ± 20%	1.50	1.42
CDH43D11DHPNP-6R8MC	L	6.8 ± 20%	250 ± 20%	1.28	1.14
CDH43D11DHPNP-100MC	N	10 ± 20%	360 ± 20%	1.04	1.02
CDH43D11DHPNP-150MC	Q	15 ± 20%	695 ± 20%	0.84	0.68
CDH43D11DHPNP-220MC	S	22 ± 20%	1030 ± 20%	0.68	0.51

※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.

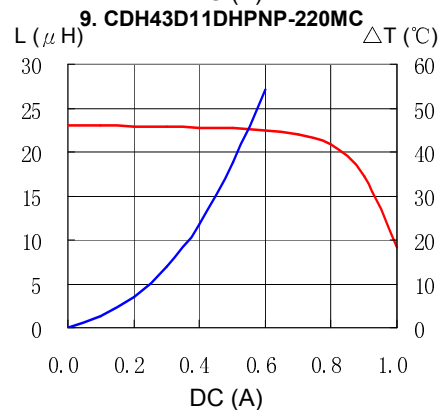
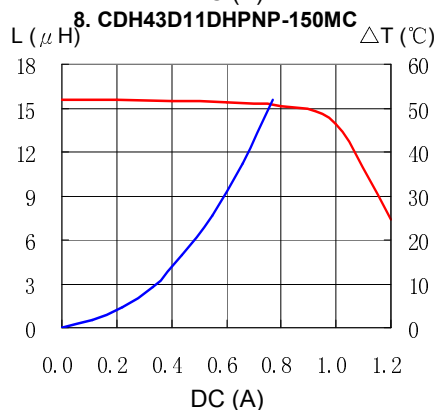
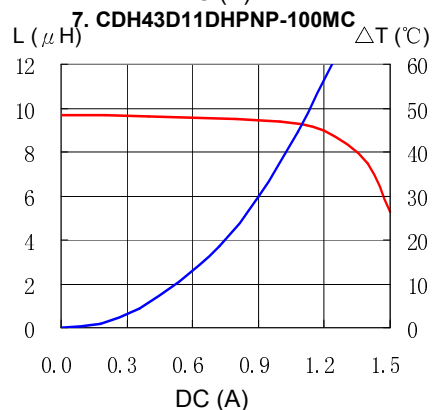
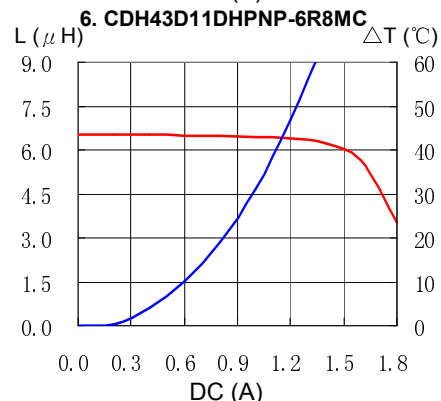
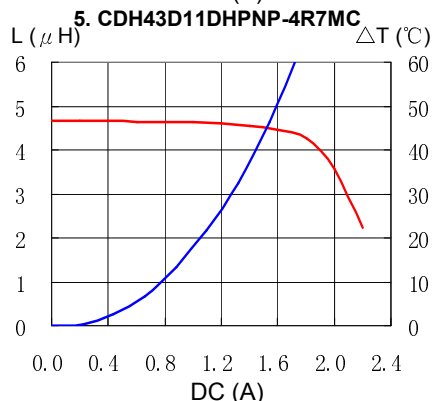
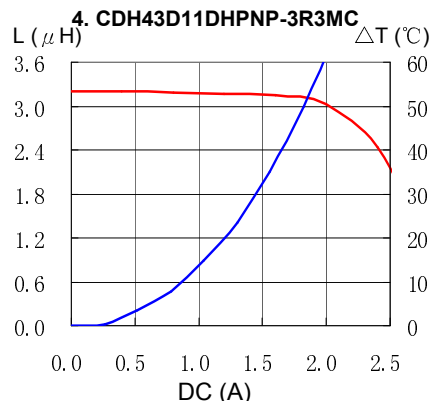
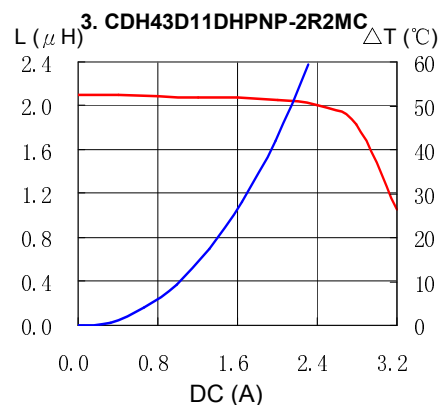
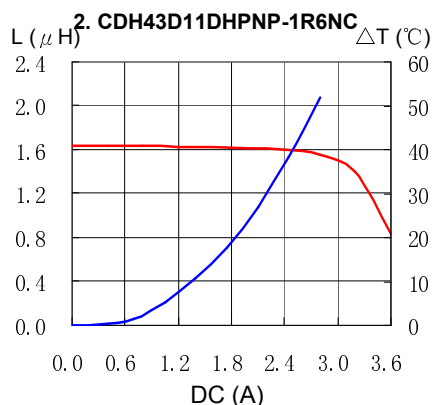
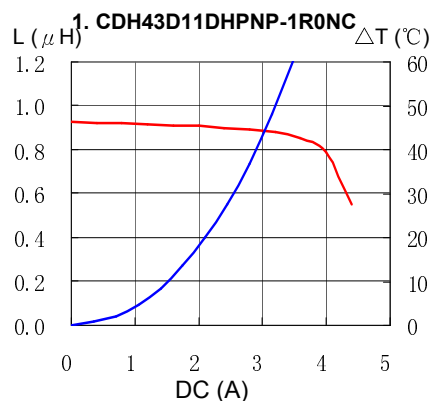
※3. Temperature rise current: The value of D.C. current when the temperature rise is Δt=40°C (Ta=20°C).

SMD Power Inductor CDH43D11D/HP



Saturation Current & Temperature Rise Graph

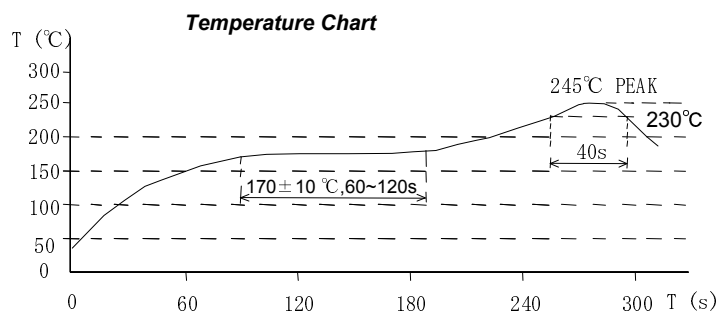
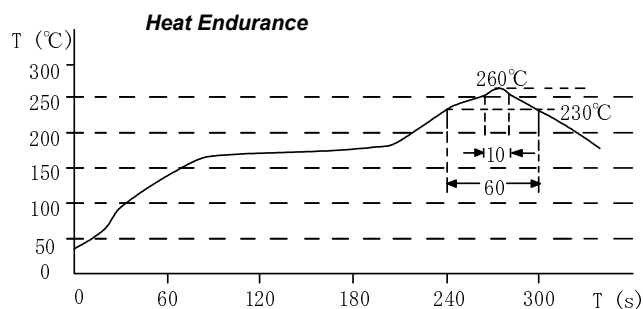
— L (20°C) — ΔT



SMD Power Inductor CDH43D11D/HP



Solder Reflow Condition



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