SMD Power Inductor
CDH20D11

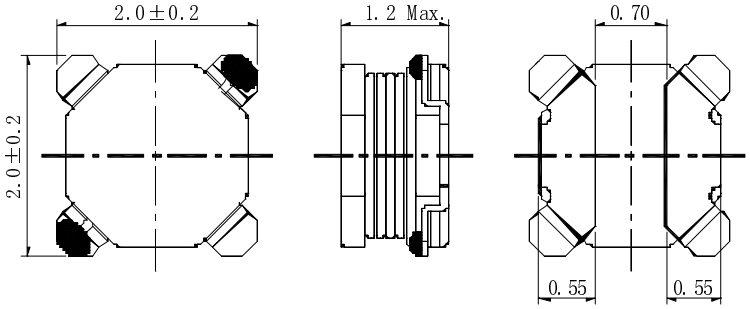
RoHS

Halogen Free

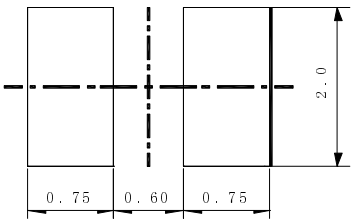


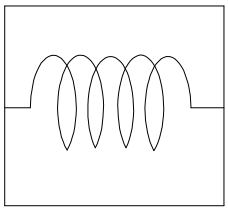
Description
- Ferrite drum core construction.
- Magnetically Unshielded.
- L × W × H: 2.2 × 2.2 x1.2 mm Max.
- Product weight:13mg(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Halogen Free available.

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

Applications
- Ideally used in smart phone and other portable devices.

Electrical Characteristics

Part name	Stamp	Inductance [μH] 1MHz	D.C.R.(Ω)[Max.] (at 20℃)	Saturation current (A) ※1 (at20℃)	Temperature Rise current (A) ※2
CDH20D11HF-R47NC	A	0.47±30%	69 m (55 m)	2.24 (2.80)	1.62
CDH20D11HF-R68NC	B	0.68±30%	79 m (63 m)	2.08 (2.60)	1.45
CDH20D11HF-1R0NC	C	1.0±30%	112 m (89 m)	1.63 (2.04)	1.16
CDH20D11HF-1R5NC	D	1.5±30%	155 m (124 m)	1.35 (1.69)	0.95
CDH20D11HF-2R2MC	E	2.2±20%	234 m (187 m)	1.15 (1.44)	0.84
CDH20D11HF-3R3MC	F	3.3±20%	370 m (296 m)	0.82 (1.03)	0.58
CDH20D11HF-4R7MC	G	4.7±20%	442 m (353 m)	0.73 (0.92)	0.52
CDH20D11HF-5R6MC	J	5.6±20%	617 m (494 m)	0.65 (0.82)	0.48
CDH20D11HF-6R8MC	K	6.8±20%	675 m (539 m)	0.61 (0.77)	0.47
CDH20D11HF-8R2MC	L	8.2±20%	967 m (774 m)	0.53 (0.67)	0.37
CDH20D11HF-100MC	P	10±20%	1.087 (870 m)	0.49 (0.61)	0.30

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

※2. Temperature rise current: The value of D.C. current when the temperature rise is △t=40℃(Ta=20℃).

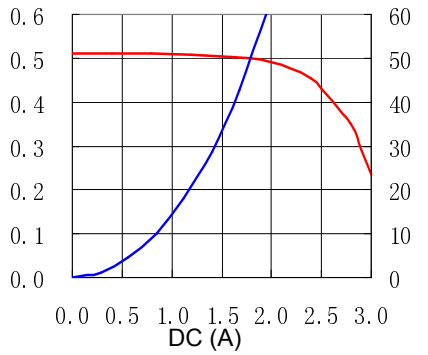
Revised: 26-Jul-11

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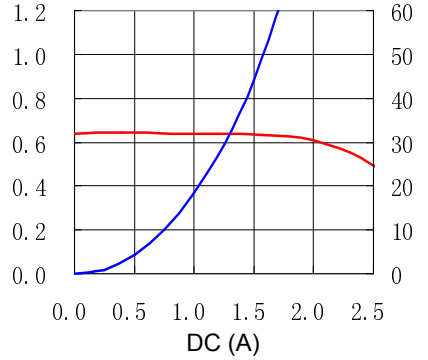
Saturation Current & Temperature Rise Graph

L (20℃) △T

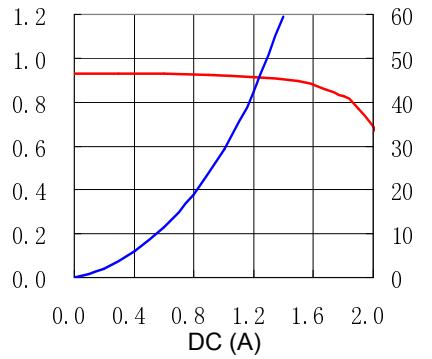
1. CDH20D11HF-R47NC



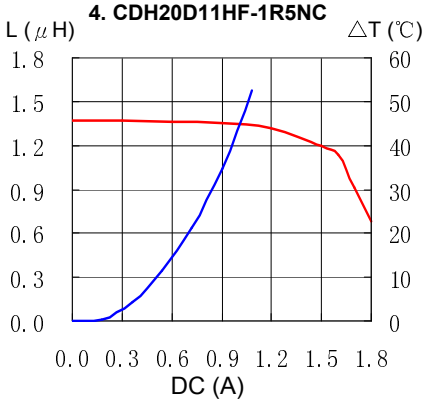
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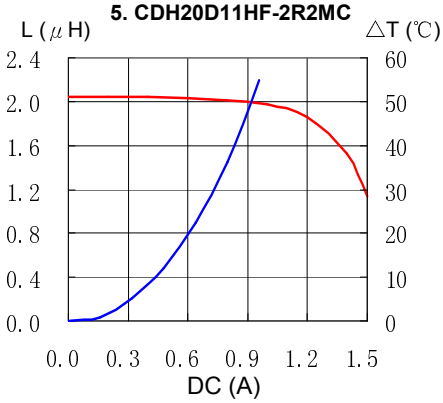
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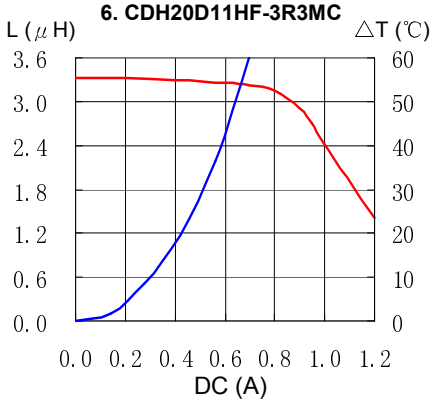
4. CDH20D11HF-1R5NC



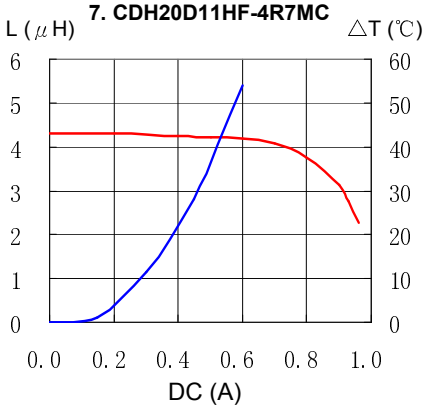
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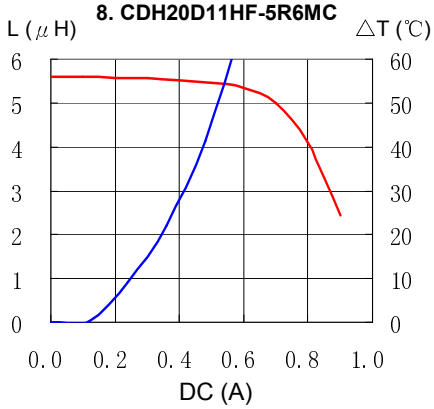
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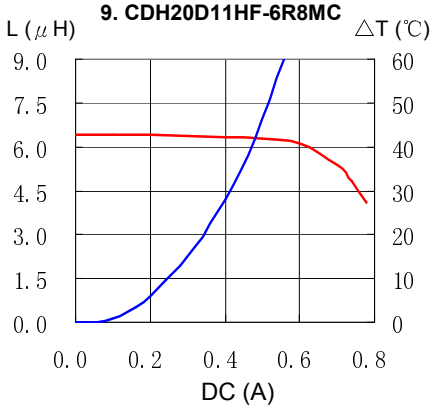
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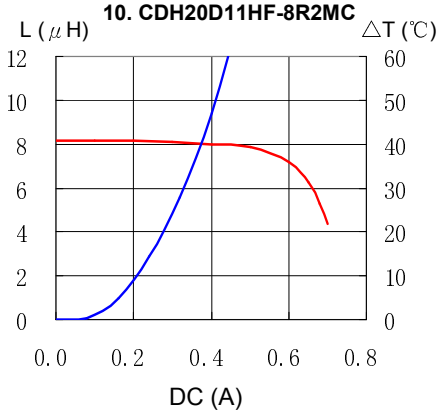
8. CDH20D11HF-5R6MC



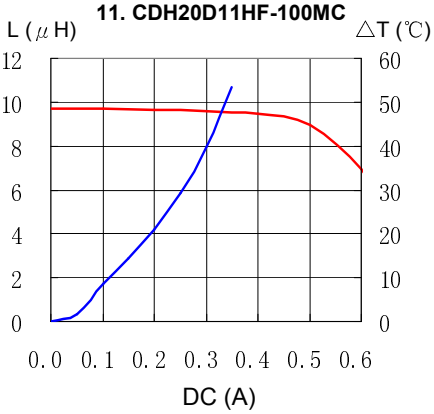
9. CDH20D11HF-6R8MC



10. CDH20D11HF-8R2MC

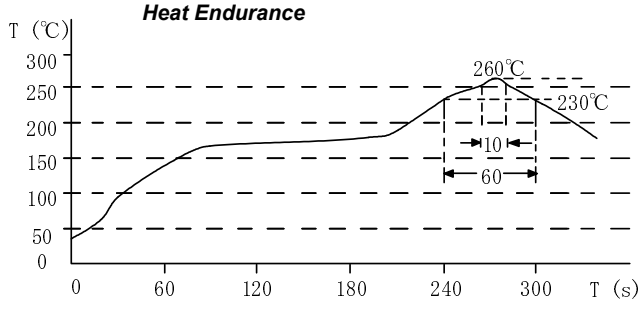


11. CDH20D11HF-100MC

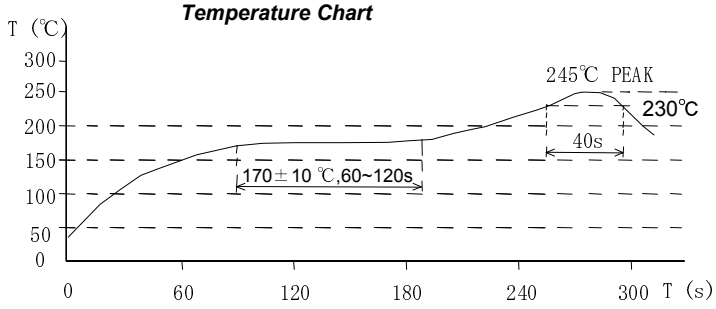


Solder Reflow Condition

Heat Endurance



Temperature Chart



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