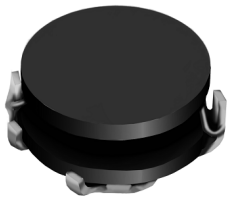
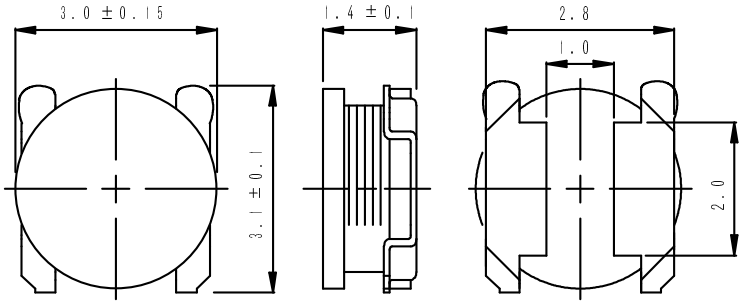
SMD Power Inductor
CDH30D14D

RoHS

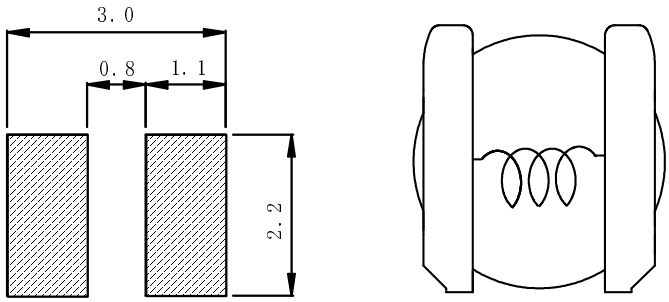
Halogen Free



Dimension - [mm]



Land pattern and Schematics - [mm]



Description
- Ferrite drum core construction.
- Magnetically unshielded.
- L × W × H: 3.15 × 3.2 × 1.5 mm Max.
- Product weight: 40mg(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Halogen Free available.

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.
- 13.0"diameter reel
- 4000pcs per reel

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

Revised: 10-Dec-13

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Electrical Characteristics

Part No.	Stamp	Inductance (μH) [Within] ※1	D.C.R. (mΩ) [Within] (at 20℃)	Saturation current (A) ※2		Temperature rise current (A) ※3
				(at20℃)	(at100℃)	
CDH3ØD14DHF-1RØNC	A	1.0±30%	48±25%	2.66	2.25	2.20
CDH3ØD14DHF-1R6NC	B	1.6±30%	66±25%	2.19	1.83	1.82
CDH3ØD14DHF-2R2NC	C	2.2±30%	87±25%	1.89	1.53	1.57
CDH3ØD14DHF-3R3MC	D	3.3±20%	121±20%	1.53	1.28	1.28
CDH3ØD14DHF-4R7MC	E	4.7±20%	206±20%	1.23	1.05	1.00
CDH3ØD14DHF-6R8MC	F	6.8±20%	271±20%	1.05	0.90	0.80
CDH3ØD14DHF-1ØØMC	G	10±20%	408±20%	0.89	0.74	0.68
CDH3ØD14DHF-15ØMC	H	15±20%	613±20%	0.68	0.59	0.51

※1. Measuring condition: at 100kHz.

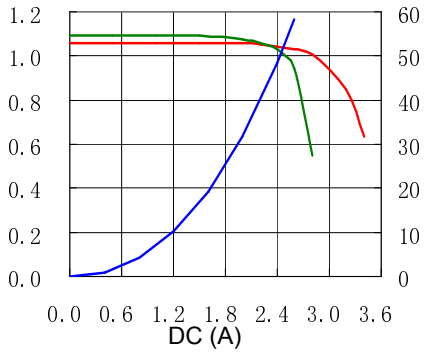
※2. Saturation current: The value of D.C. current when the inductance decreases to 70% of it's nominal value.

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

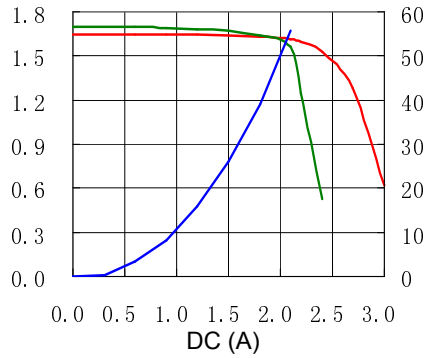
Saturation Current & Temperature Rise Graph

L (20℃) L (105℃) △T

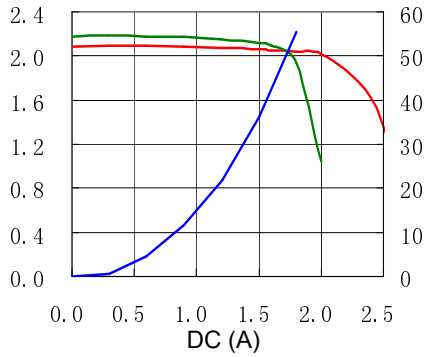
1. CDH30D14DHF-1R0NC



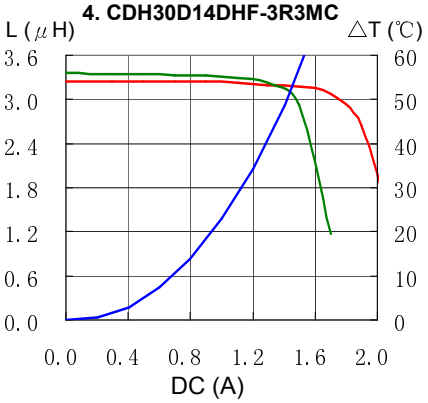
2. CDH30D14DHF-1R6NC



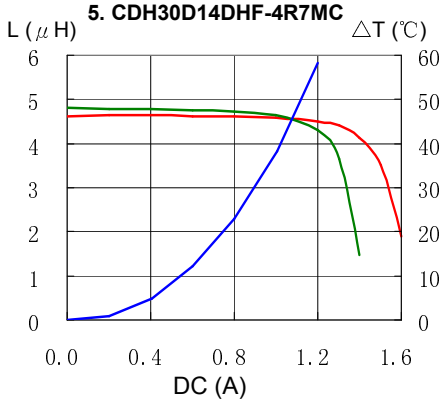
3. CDH30D14DHF-2R2NC



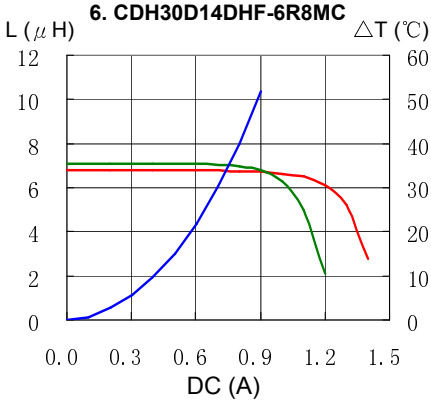
4. CDH30D14DHF-3R3MC



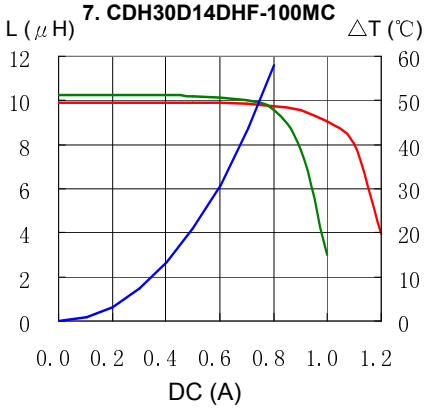
5. CDH30D14DHF-4R7MC



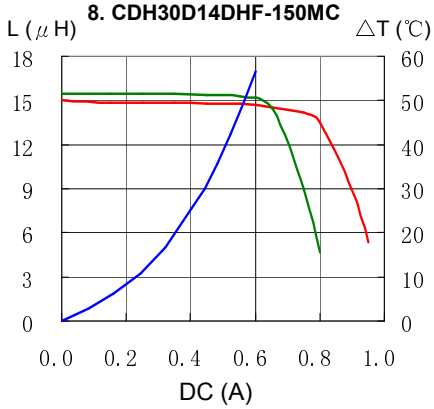
6. CDH30D14DHF-6R8MC



7. CDH30D14DHF-100MC



8. CDH30D14DHF-150MC



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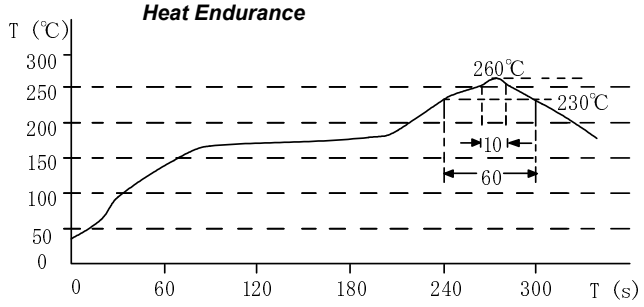
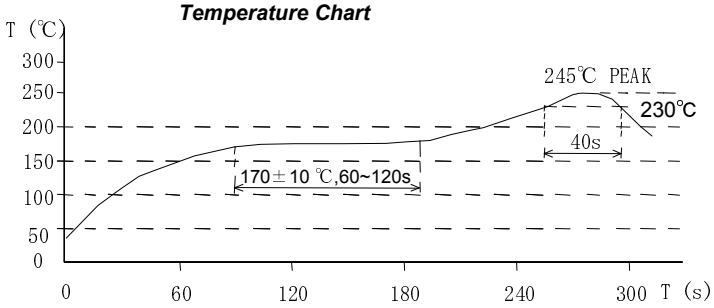
Solder Reflow Condition

Heat Endurance



Temperature Chart



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