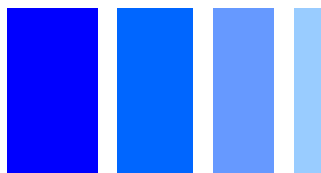


SMD Power Inductor CDRH30D16R



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**Halogen
Free**



Description

- Ferrite drum core construction.
- Magnetically shielded.
- L × W × H: 3.3 × 3.15 × 1.8 mm Max.
- Product weight: 60mg (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.

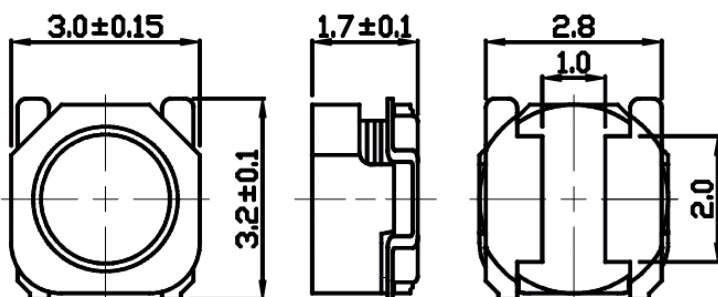
Packaging

- Carrier tape and reel packaging

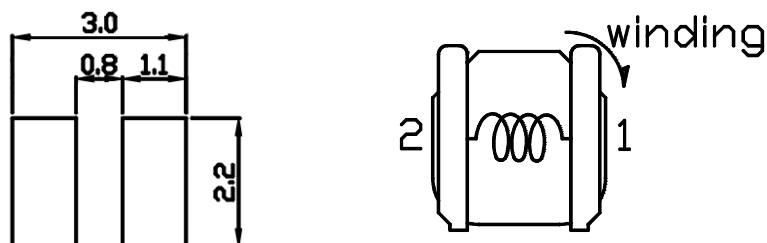
Applications

- Ideally used in Slim LCD display & TV ,etc.

Dimension - [mm]



Land pattern and Schematics - [mm]



Electrical Characteristics

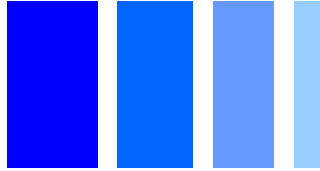
Part No.	Stamp	Inductance (μ H) [within] ※1	D.C.R. (m Ω) (at 20°C) [within]	Saturation Current (A) ※2 (at 20°C)	Temperature Rise Current (A) ※3
CDRH30D16RNP-1R0NC	A	1.0 ± 30%	30 ± 25%	1.88	2.73
CDRH30D16RNP-1R5NC	B	1.5 ± 30%	38 ± 25%	1.52	2.30
CDRH30D16RNP-2R2NC	C	2.2 ± 30%	47 ± 25%	1.28	1.95
CDRH30D16RNP-3R3NC	D	3.3 ± 30%	75 ± 25%	1.05	1.52
CDRH30D16RNP-4R7NC	E	4.7 ± 30%	120 ± 20%	0.88	1.11
CDRH30D16RNP-6R8MC	F	6.8 ± 20%	175 ± 20%	0.74	0.97
CDRH30D16RNP-100MC	G	10 ± 20%	210 ± 20%	0.60	0.86
CDRH30D16RNP-150MC	H	15 ± 20%	415 ± 20%	0.50	0.56
CDRH30D16RNP-220MC	J	22 ± 20%	520 ± 20%	0.41	0.52
CDRH30D16RNP-330MC	K	33 ± 20%	790 ± 20%	0.33	0.39

※1. Inductance 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 CDRH30D16R

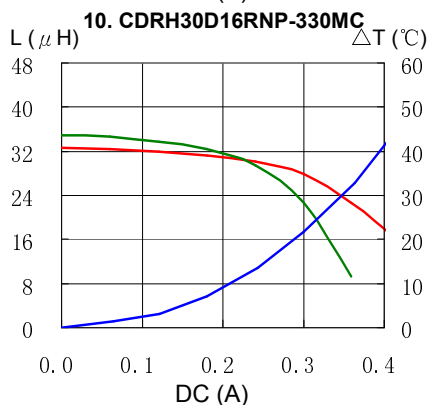
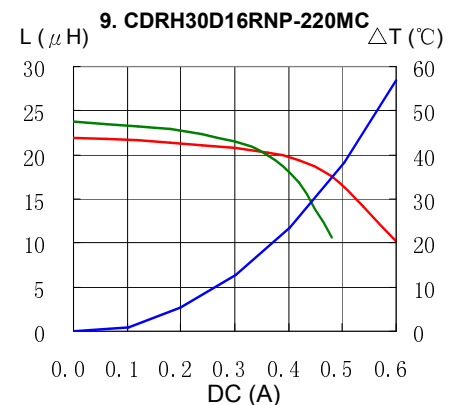
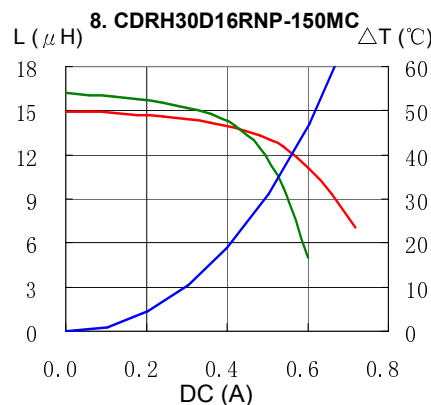
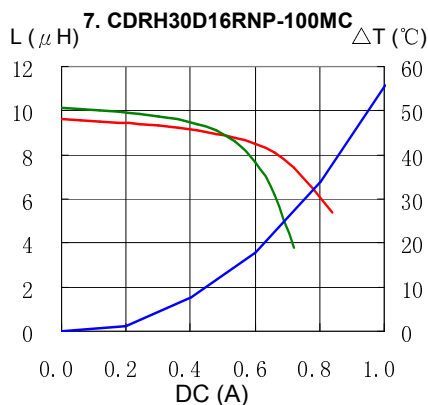
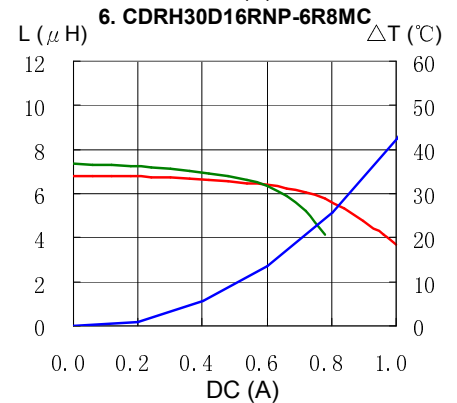
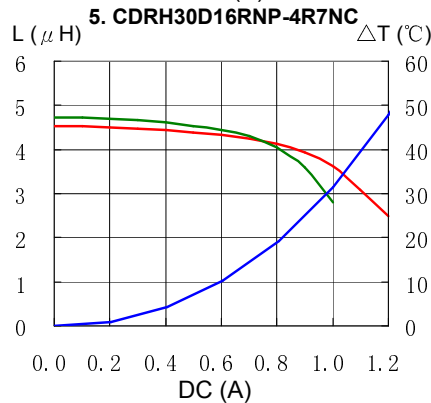
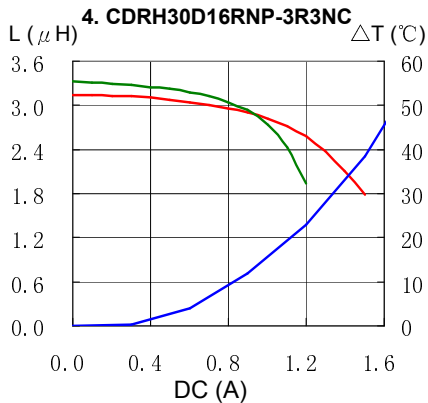
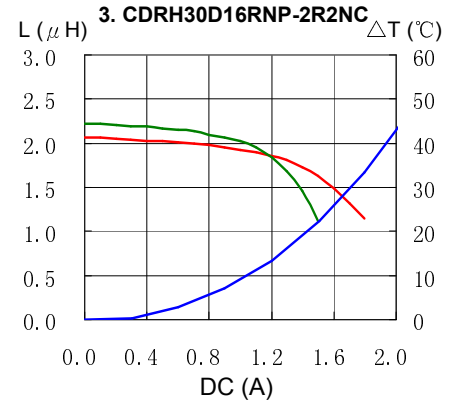
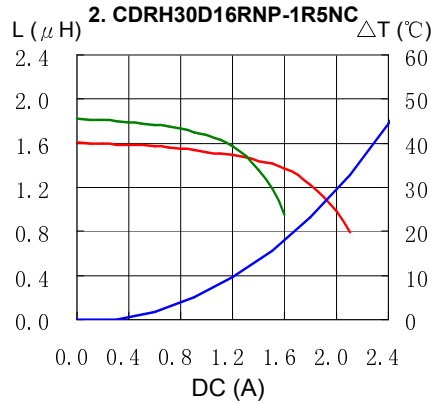
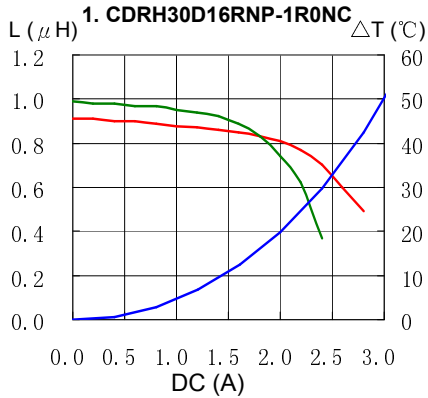


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Saturation Current & Temperature Rise Graph

— L (20°C) — (105°C) — ΔT



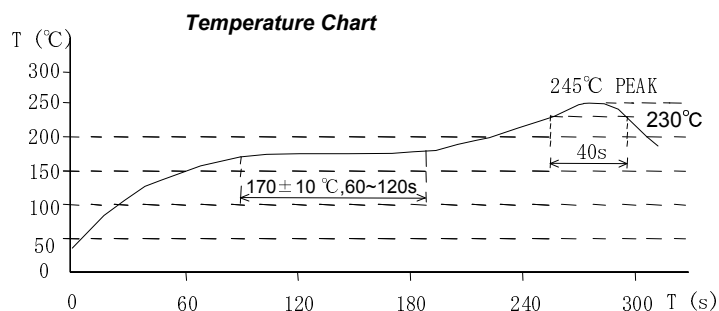
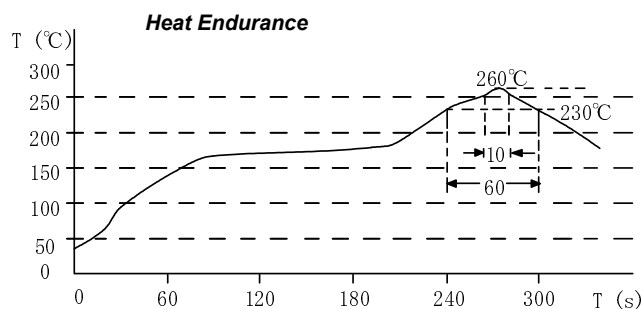
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Solder Reflow Condition



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