

- Ferrite drum core construction.
- Magnetically shielded.
- L x W x H: 4.0 x 4.0 x 1.8 mm Max.
- Product weight: 80mg (Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Halogen Free available.

[illegible]

- 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.

- Carrier tape and reel packaging
- 7.0" diameter reel
- 1000pcs per reel

(1.1 μ H \sim 4.7 μ H) (6.8 μ H \sim 33 μ H)

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

Part Name	Stamp	Inductance (μ H) [within] ※1	D.C.R. (m Ω) Max. (Typ.) (at 20℃)	Saturation Current (A) ※2		Temperature Rise Current (A) ※3
				at 20℃	at 105℃	
CDRH3D16/HPNP-1R7NC	A	1.7±30%	51(41)	2.00	1.50	2.40
CDRH3D16/HPNP-2R2NC	C	2.2±30%	59(47)	1.75	1.30	2.30
CDRH3D16/HPNP-3R3NC	E	3.3±30%	85(68)	1.40	1.10	1.80
CDRH3D16/HPNP-4R7NC	G	4.7±30%	116(93)	1.20	0.90	1.50
CDRH3D16/HPNP-6R8NC	J	6.8±30%	180(145)	1.00	0.72	1.10
CDRH3D16/HPNP-100MC	L	10±20%	230(185)	0.84	0.62	1.00
CDRH3D16/HPNP-150MC	N	15±20%	410(328)	0.65	0.52	0.75
CDRH3D16/HPNP-220MC	P	22±20%	610(488)	0.55	0.43	0.52
CDRH3D16/HPNP-330MC	Q	33±20%	870(695)	0.46	0.35	0.41

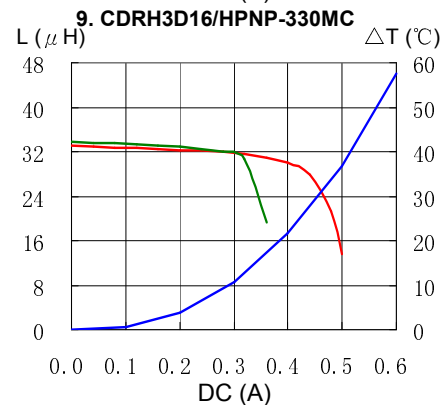
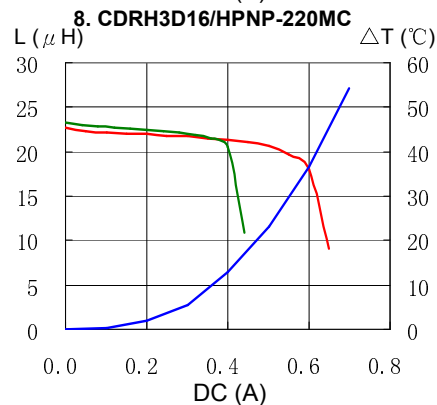
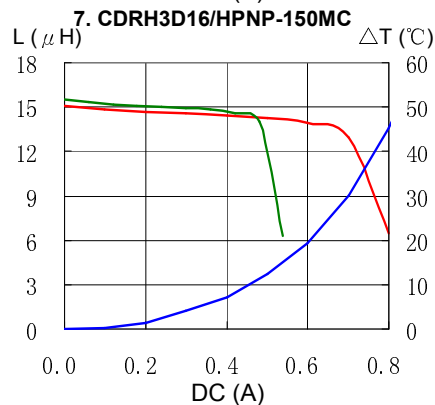
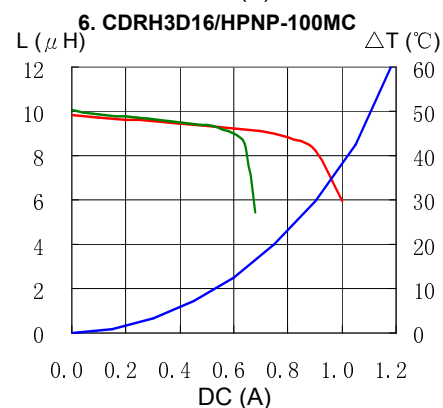
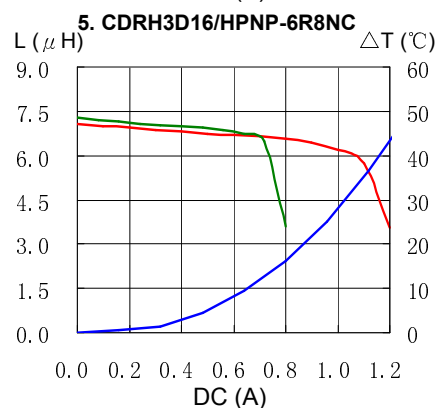
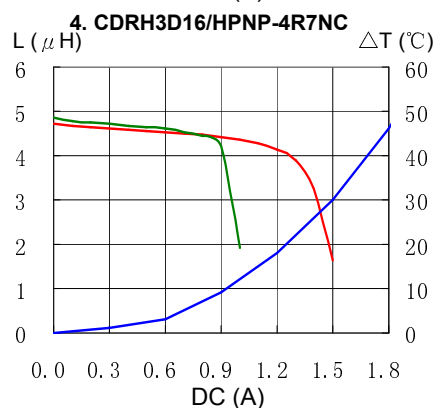
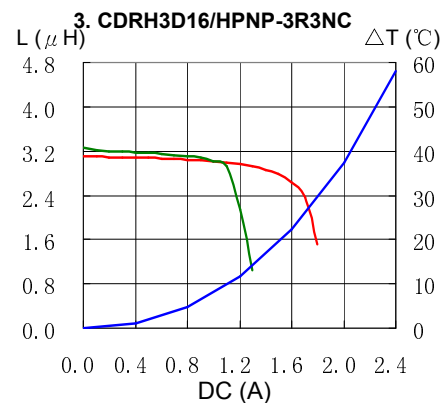
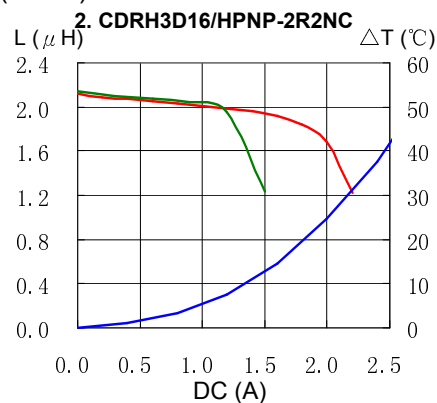
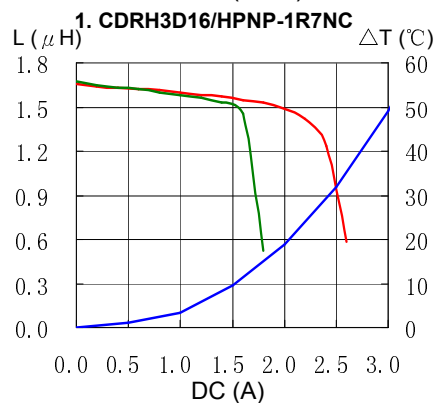
※3. Temperature rise current: The DC current at which the temperature rise is $\Delta t=40^{\circ}\text{C}$. ($T_a=20^{\circ}\text{C}$)

SMD Power Inductor CDRH3D16/HP



Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) — ΔT



SMD Power Inductor CDRH3D16/HP



Solder Reflow Condition

