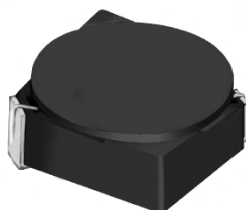


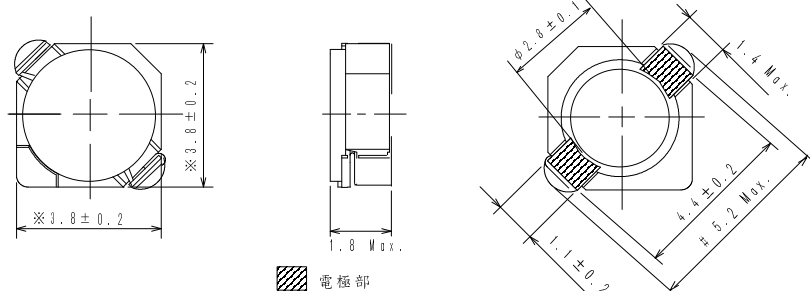
SMD Power Inductor CDRH3D16/E



Description

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

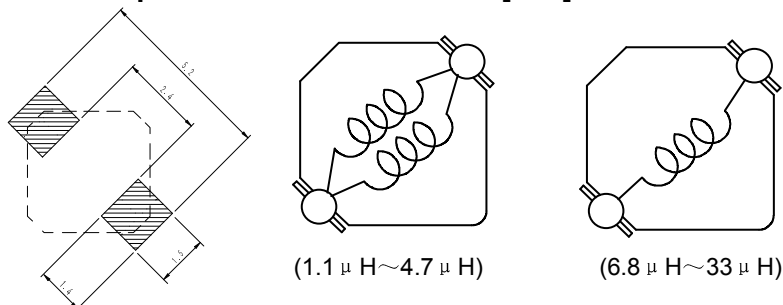
Dimension - [mm]



電極部

(1.1 μH ~ 4.7 μH) are managed with standard 5.4 Max.

Land pattern and Schematics - [mm]



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
- 7.0" diameter reel
- 1000pcs per reel

Applications

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

Electrical Characteristics

Part Name	Stamp	Inductance (μH) [within] ※1	D.C.R. (mΩ) Max. (Typ.) (at 20°C)	Rated Current (A) ※2
CDRH3D16EHF-1R1NC	U	1.1 ± 30%	50(38)	1.90
CDRH3D16EHF-1R5NC	A	1.5 ± 30%	52(40)	1.55
CDRH3D16EHF-2R2NC	C	2.2 ± 30%	72(55)	1.20
CDRH3D16EHF-3R3NC	E	3.3 ± 30%	85(65)	1.10
CDRH3D16EHF-4R7NC	G	4.7 ± 30%	105(80)	0.90
CDRH3D16EHF-6R8NC	J	6.8 ± 30%	170(130)	0.73
CDRH3D16EHF-100NC	K	10 ± 30%	210(160)	0.55
CDRH3D16EHF-150NC	M	15 ± 30%	295(225)	0.45
CDRH3D16EHF-220NC	P	22 ± 30%	430(330)	0.40
CDRH3D16EHF-330NC	Q	33 ± 30%	675(520)	0.32

※1. Inductance measuring condition: at 100kHz.

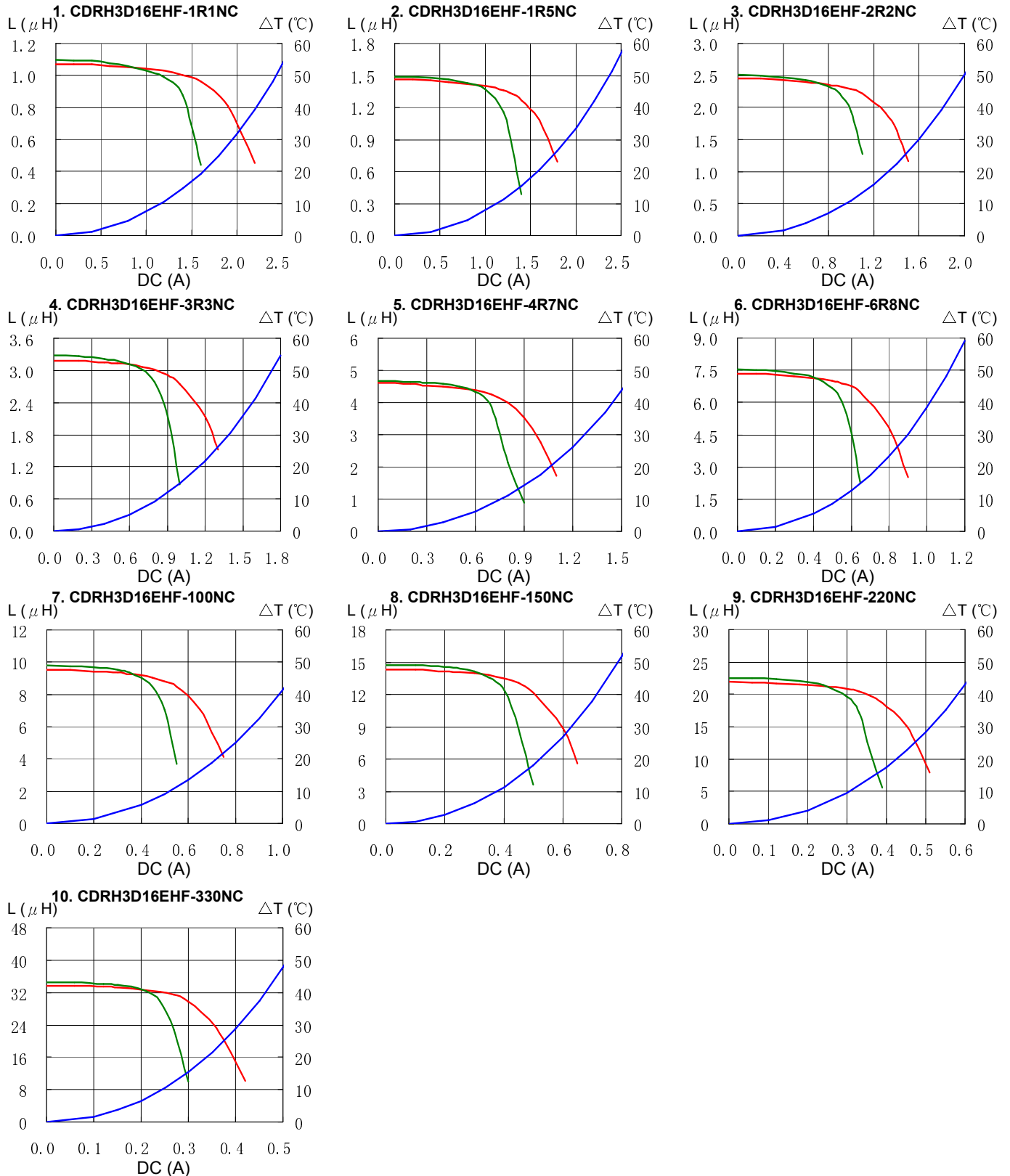
※2. Rated current: The DC current at which the inductance decreases to 65% of its nominal value or when Δt=30°C, whichever is lower (Ta=20°C).

SMD Power Inductor CDRH3D16/E



Saturation Current & Temperature Rise Graph

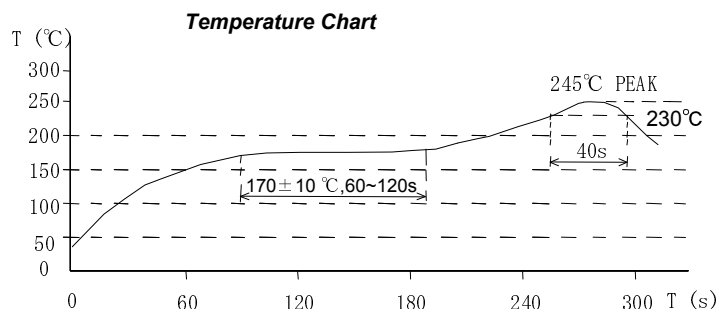
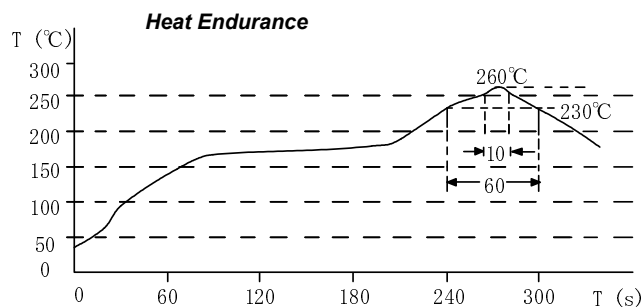
— L (20°C) — L (105°C) — ΔT



SMD Power Inductor CDRH3D16/E



Solder Reflow Condition



Please refer to the sales offices on our website - <http://www.sumida.com>

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