

SMD Power Inductor CDRH26D11



Description

- Ferrite drum core construction.
- Magnetically shielded.
- L × W × H: 3.1 × 2.8 × 1.2 mm Max.
- Product weight: 30mg(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.

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.

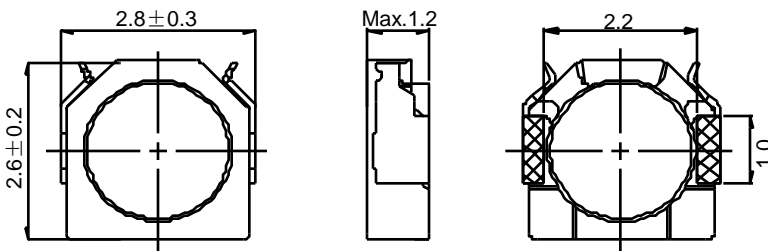
Packaging

- Carrier tape and reel packaging
- 7.0" diameter reel
- 3000pcs per reel

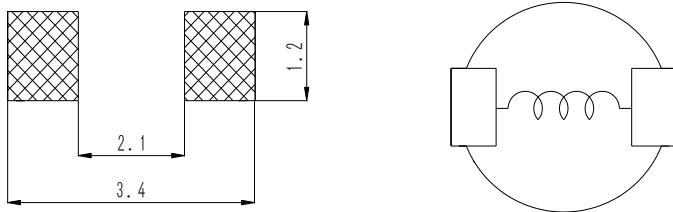
Applications

- Ideally used in Mobilephone, PDA, MP3, DSC/DVC, etc. as DC-DC converter inductors.

Dimension - [mm]



Land pattern and Schematics - [mm]



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CDRH26D11



Electrical Characteristics

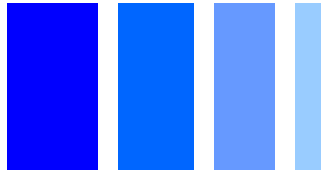
Part No.	Stamp	Inductance [μH] [within] ※1	D.C.R. (mΩ) [Max.] (Typ.) (at 20°C)	Saturation Current (A) ※2		Temperature Rise Current (A) ※3
				at 20°C	at 105°C	
CDRH26D11NP-1R0NC	A	1.0±30%	67.5(54.0)	1.30	1.05	1.70
CDRH26D11NP-1R5PC	B	1.5±25%	77.5(62.0)	1.20	0.98	1.60
CDRH26D11NP-2R2PC	C	2.2±25%	111(81.1)	0.98	0.85	1.25
CDRH26D11NP-2R7PC	D	2.7±25%	122(97.7)	0.88	0.74	1.15
CDRH26D11NP-3R3PC	E	3.3±25%	135(108)	0.75	0.65	1.05
CDRH26D11NP-4R7PC	F	4.7±25%	225(180)	0.64	0.52	0.80
CDRH26D11NP-5R6PC	G	5.6±25%	261(209)	0.59	0.50	0.75
CDRH26D11NP-6R8PC	H	6.8±25%	280(224)	0.56	0.45	0.70
CDRH26D11NP-8R2PC	I	8.2±25%	386(309)	0.47	0.40	0.60
CDRH26D11NP-100PC	J	10±25%	431(345)	0.44	0.38	0.52
CDRH26D11NP-120PC	K	12±25%	601(481)	0.39	0.33	0.43
CDRH26D11NP-150PC	L	15±25%	694(555)	0.36	0.31	0.40

※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.

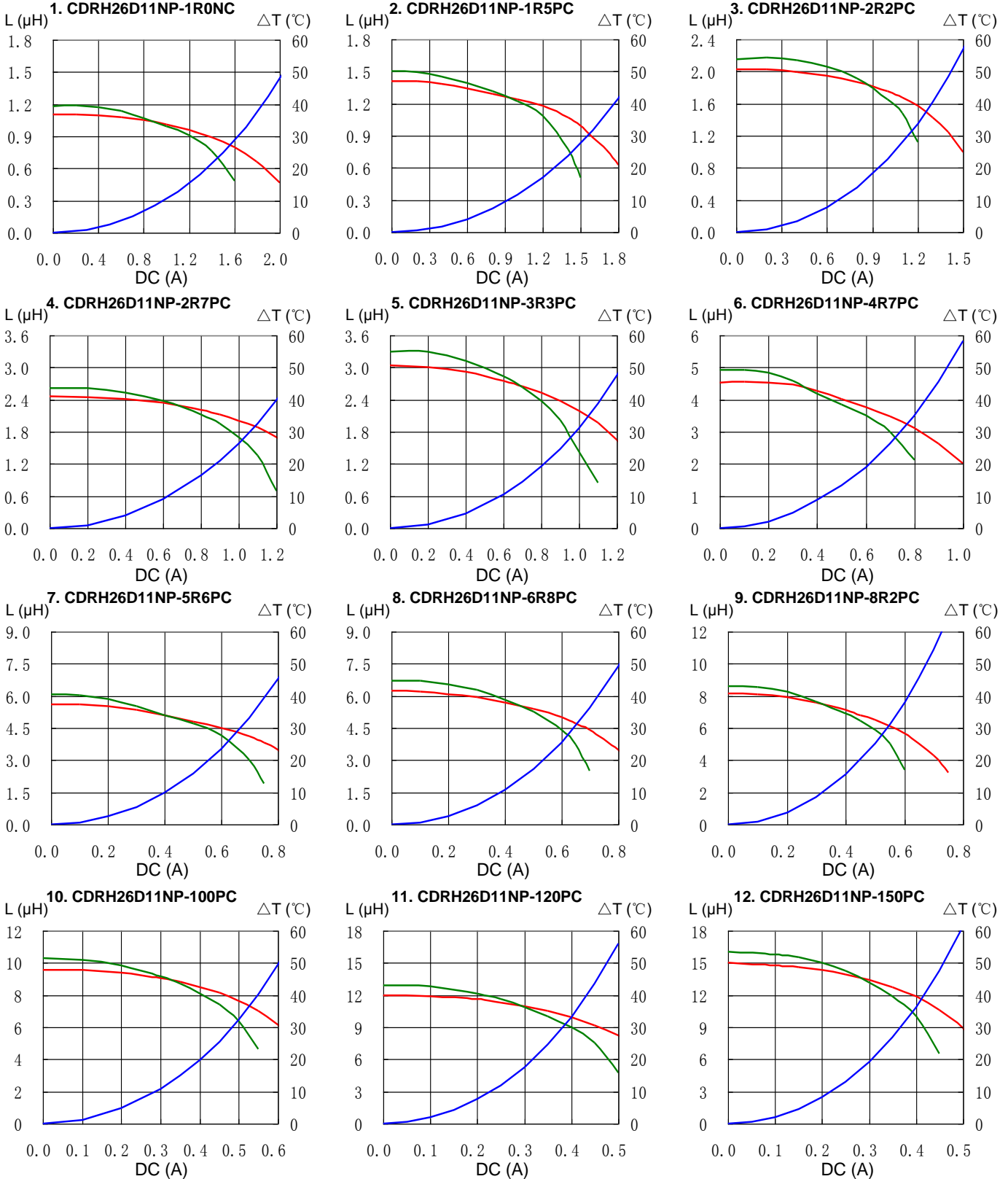
※3. Temperature rise current: The value of D.C. current when the temperature rise is $\Delta t=40^{\circ}\text{C}$ ($T_a=20^{\circ}\text{C}$).

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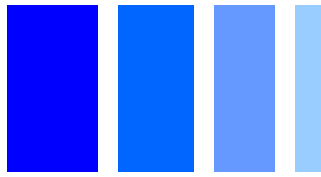


Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) — ΔT

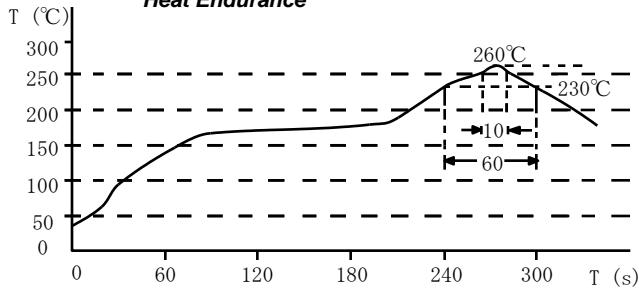


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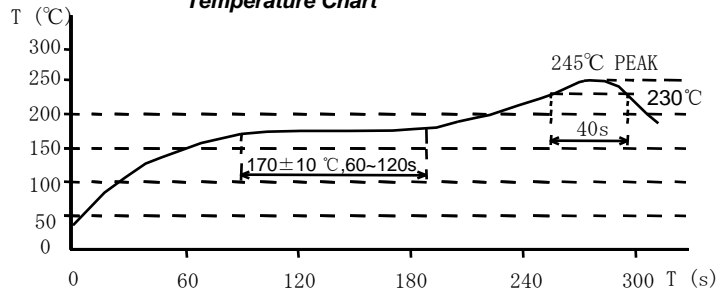


Solder Reflow Condition

Heat Endurance



Temperature Chart



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