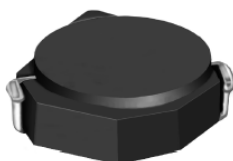


SMD Power Inductor CDRH2D11



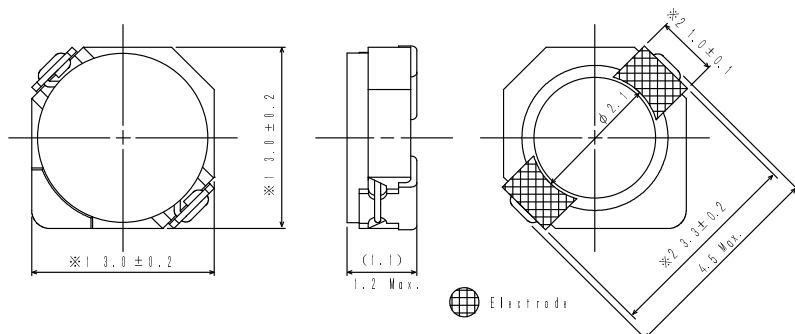
Halogen
Free



Description

- Ferrite drum core construction.
- Magnetically shielded.
- L × W × H: 3.2 × 3.2 × 1.2 mm Max.
- Product weight: 36mg(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Halogen Free available.

Dimension - [mm]



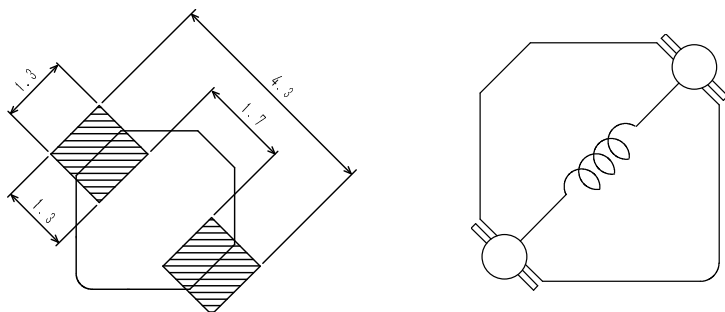
Environmental Data

- Operating temperature range: $-40^{\circ}\text{C} \sim +100^{\circ}\text{C}$ (including coil's self temperature rise)
- Storage temperature range: $-40^{\circ}\text{C} \sim +100^{\circ}\text{C}$
- Solder reflow temperature: 260°C peak.

Packaging

- Carrier tape and reel packaging
- 7.0" diameter reel
- 1500pcs per reel

Land pattern and Schematics - [mm]



Electrical Characteristics

Part Name	Inductance (μH) [Within] ※1	D.C.R. (m Ω) Max. (Typ.) (at 20°C)	Saturation Current (A) ※2		Temperature Rise Current (A) ※3
			at 20°C	at 100°C	
CDRH2D11NP-1R5NC	$1.5 \pm 30\%$	68(54)	0.90	0.68	1.48
CDRH2D11NP-2R2NC	$2.2 \pm 30\%$	98(78)	0.78	0.58	1.27
CDRH2D11NP-3R3NC	$3.3 \pm 30\%$	123(98)	0.60	0.45	1.02
CDRH2D11NP-4R7NC	$4.7 \pm 30\%$	170(135)	0.50	0.37	0.88
CDRH2D11NP-6R8NC	$6.8 \pm 30\%$	260(210)	0.44	0.33	0.80
CDRH2D11NP-100NC	$10.0 \pm 30\%$	400(320)	0.35	0.26	0.65

※1. Inductance measuring condition: at 100kHz.

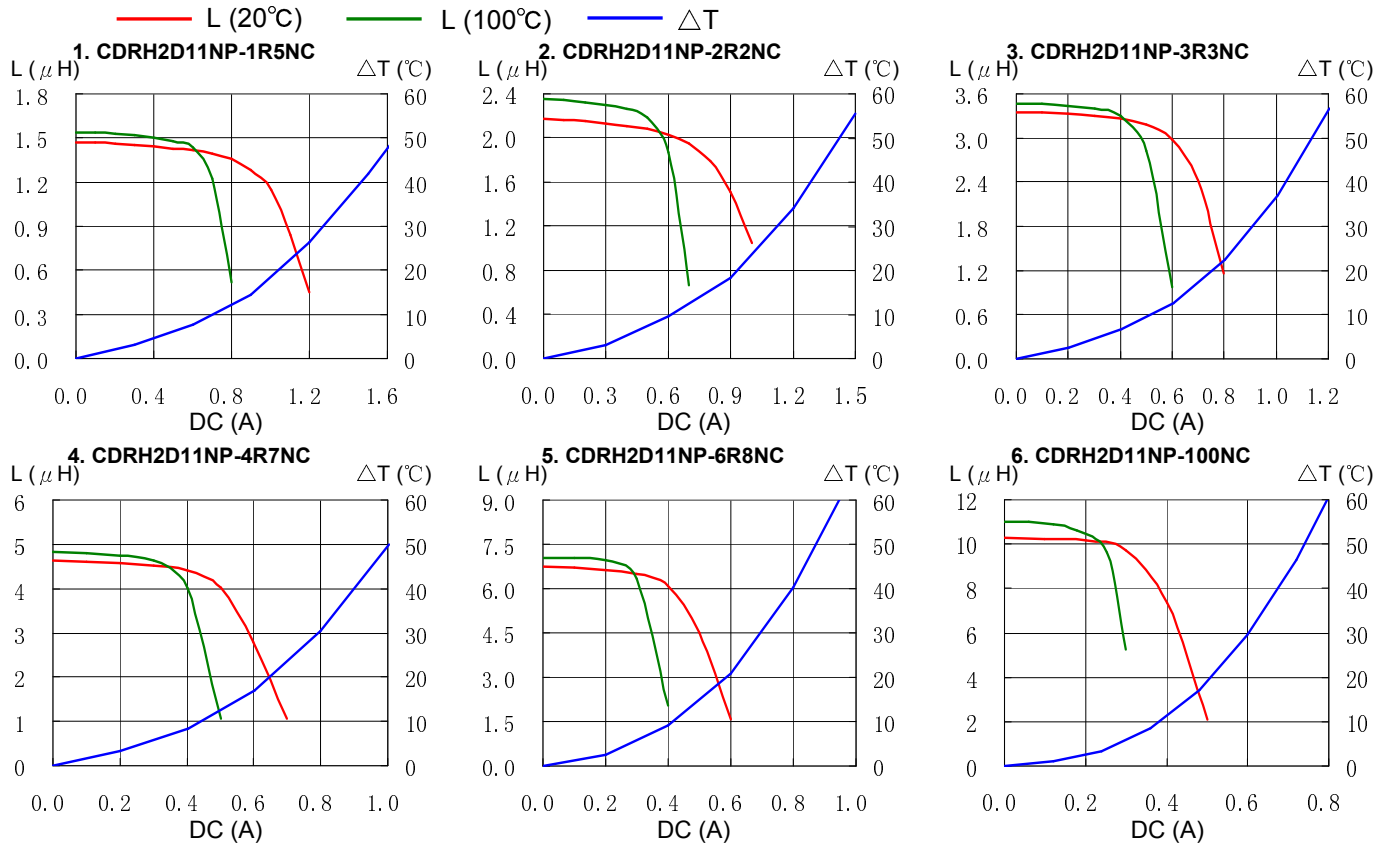
※2. Saturation current: The value of D.C. current when the inductance decreases to 65% of it's nominal value.

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

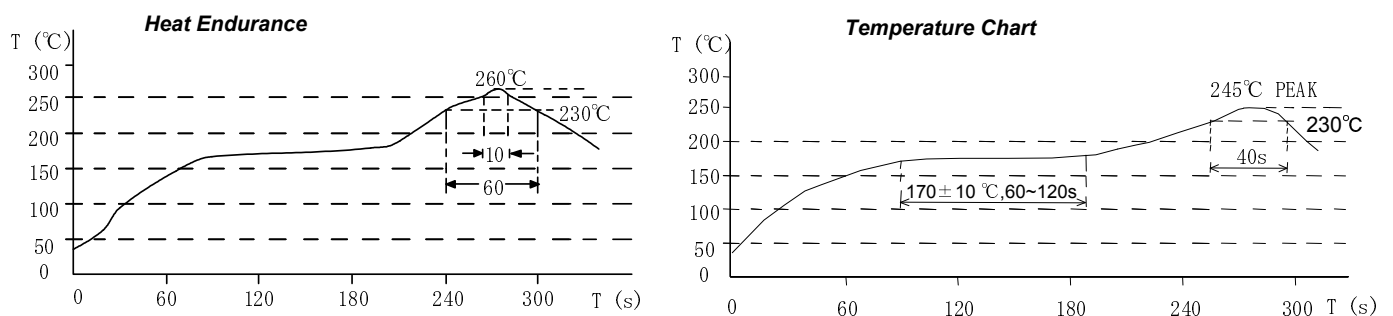
SMD Power Inductor CDRH2D11



Saturation Current & Temperature Rise Graph



Solder Reflow Condition



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