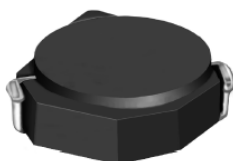


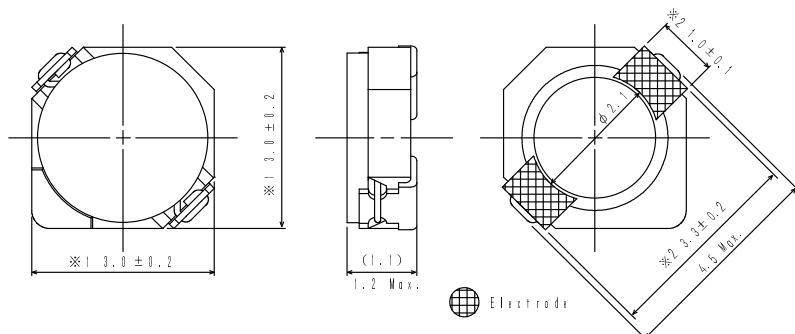
SMD Power Inductor CDRH2D11



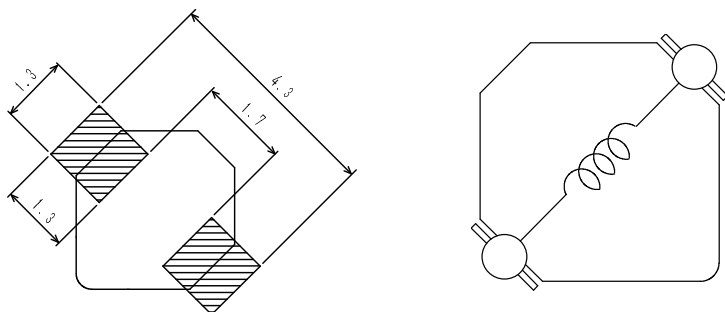
Description

- 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.

Dimension - [mm]



Land pattern and Schematics - [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

Applications

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

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.

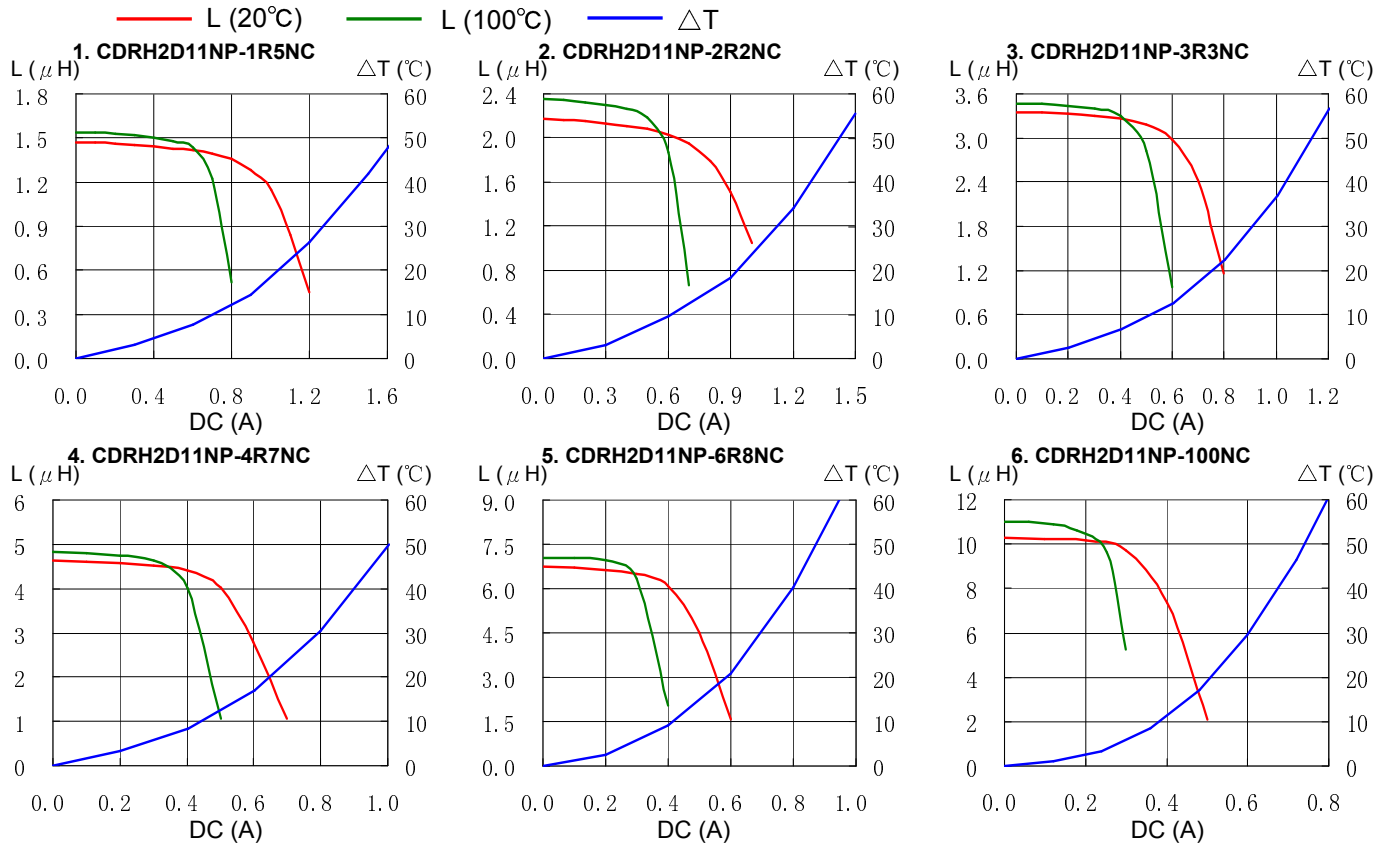
※2. Saturation current: The value of D.C. current when the inductance decreases to 65% of it's nominal value.

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

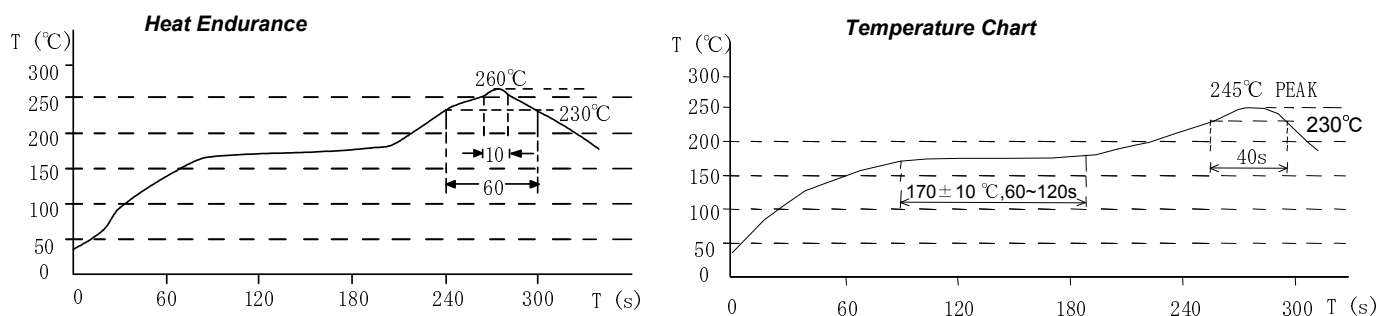
SMD Power Inductor CDRH2D11



Saturation Current & Temperature Rise Graph



Solder Reflow Condition



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

Hong Kong
Tel. +852-2880-6781
FAX. +852-2565-9600
sales@hk.sumida.com
Saitama(Japan)
Tel. +81-48-691-7300
FAX. +81-48-691-7340
sales@jp.sumida.com
Chicago
Tel. +1-847-545-6700
FAX. +1-847-545-6720
sales@us.sumida.com

Shanghai
Tel. +86-21-5836-3299
FAX. +86-21-5836-3266
shanghai.sales@cn.sumida.com
Seoul
Tel. +82-2-6237-0777
FAX. +82-2-6237-0778
sales@kr.sumida.com
Obernzell
Tel. +49-8591-937-0
FAX. +49-8591-937-103
contact@eu.sumida.com

Shenzhen
Tel. +86-755-8291-0228
FAX. +86-755-8291-0338
shenzhen.sales@cn.sumida.com
Singapore
Tel. +65-6296-3388
FAX. +65-6841-4426
sales@sg.sumida.com
Neumarkt
Tel. +49-9181-4509-110
FAX. +49-9181-4509-310
info@eu.sumida.com

Taipei
Tel. +886-2-8751-2737
FAX. +886-2-8751-2738
sales@tw.sumida.com
San Jose
Tel. +1-408-321-9660
FAX. +1-408-321-9308
sales@us.sumida.com