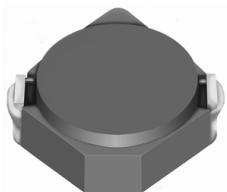


SMD Power Inductor CDRH2D11B/HP



RoHS

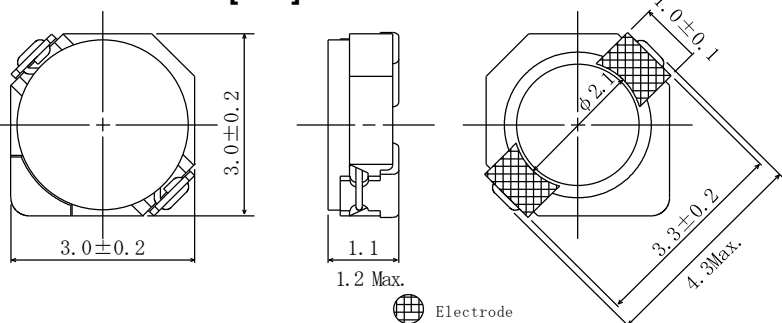
Halogen Free



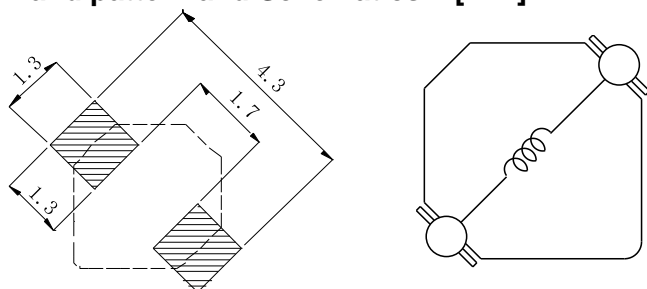
Description

- Ferrite drum core construction.
- Magnetically shielded.
- L × W × H: 3.2 × 3.2 × 1.2 mm Max.
- Product weight: 37mg(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Halogen Free available.

Dimension - [mm]



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
- 1500pcs per reel

Applications

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

Electrical Characteristics

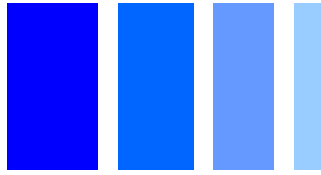
Part Name	Stamp	Inductance (μH) [within] ※1	D.C.R. (mΩ) Max. (Typ.) (at 20°C)	Saturation Current (A) ※2		Temperature Rise Current (A) ※3
				at 20°C Max.(Typ.)	at 105°C Max.(Typ.)	
CDRH2D11BHPHF-1R0PC	A	1.0 ± 25%	68.6(54.9)	2.10(2.28)	1.70(1.88)	1.75
CDRH2D11BHPHF-1R5PC	B	1.5 ± 25%	103.9(83.1)	1.65(1.85)	1.40(1.52)	1.45
CDRH2D11BHPHF-1R8PC	C	1.8 ± 25%	116.1(92.9)	1.50(1.72)	1.30(1.40)	1.30
CDRH2D11BHPHF-2R2PC	D	2.2 ± 25%	133.3(106.6)	1.40(1.52)	1.20(1.30)	1.15
CDRH2D11BHPHF-3R3PC	E	3.3 ± 25%	194.6(156.7)	1.15(1.27)	0.94(1.04)	0.95
CDRH2D11BHPHF-4R7PC	F	4.7 ± 25%	234.6(187.7)	0.95(1.11)	0.80(0.86)	0.80
CDRH2D11BHPHF-5R6PC	G	5.6 ± 25%	281.9(225.5)	0.90(1.00)	0.75(0.82)	0.76
CDRH2D11BHPHF-6R8PC	H	6.8 ± 25%	359.4(287.5)	0.78(0.87)	0.65(0.73)	0.65
CDRH2D11BHPHF-8R2PC	I	8.2 ± 25%	405.5(324.4)	0.73(0.81)	0.60(0.65)	0.62
CDRH2D11BHPHF-100PC	J	10.0 ± 25%	552.5(442.0)	0.63(0.71)	0.52(0.57)	0.52

※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.

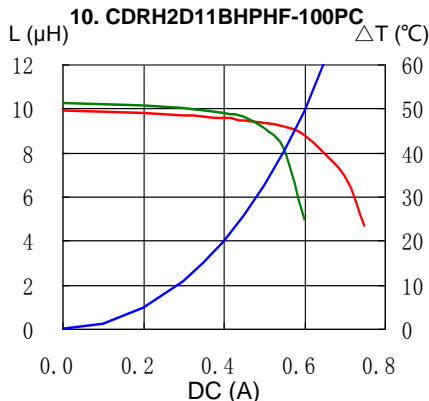
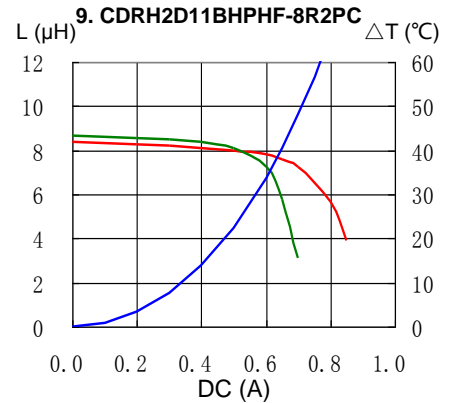
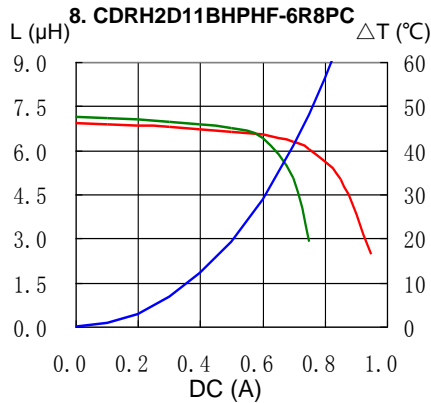
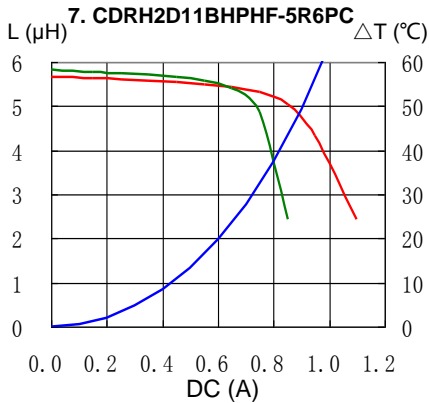
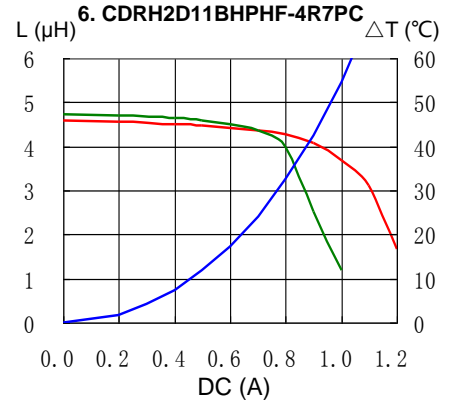
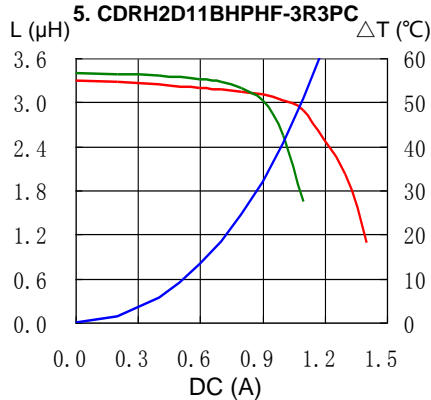
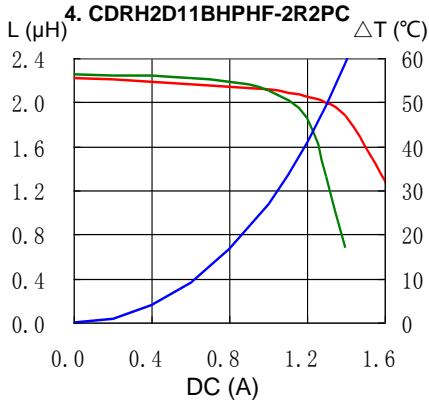
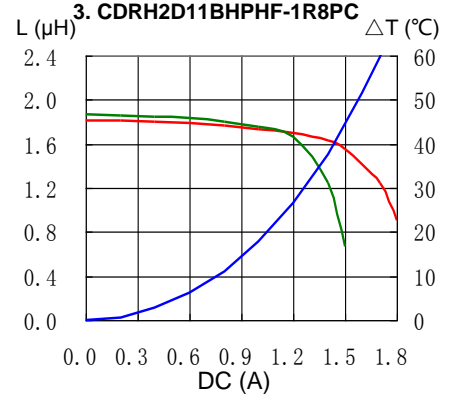
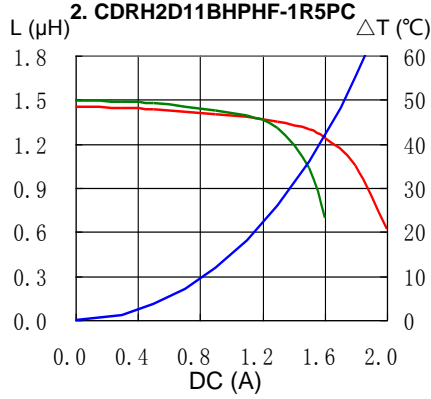
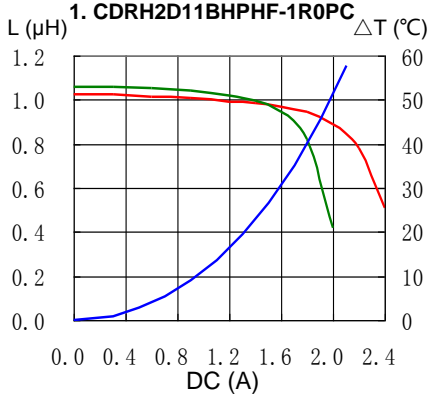
※3. Temperature rise current: The value of D.C. current when the temperature rise is Δt=40°C(Ta=20°C).

SMD Power Inductor CDRH2D11B/HP

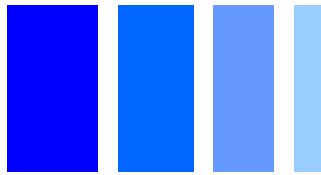


Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) — ΔT

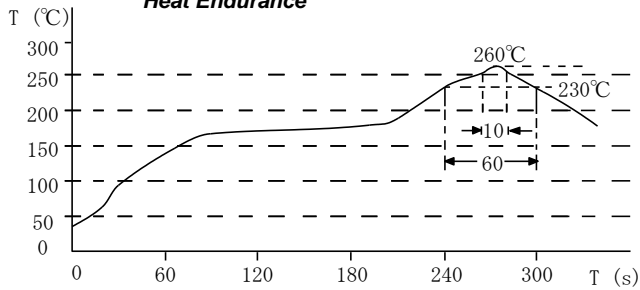


SMD Power Inductor CDRH2D11B/HP

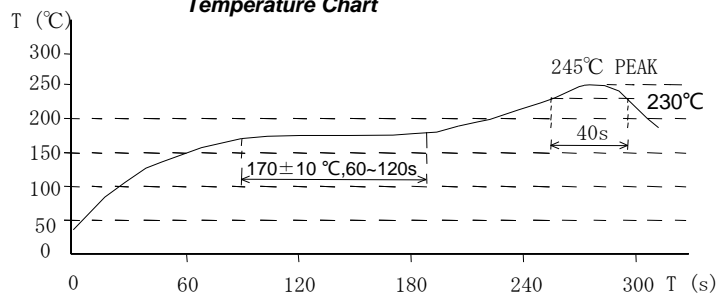


Solder Reflow Condition

Heat Endurance



Temperature Chart



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
infocomp@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