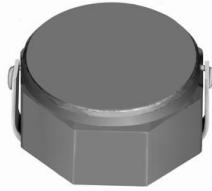




**THE DATASHEET OF
CDRH8D43HPNP-470NC**



SMD Power Inductor CDRH8D43HP



Description

- Ferrite drum core construction.
- Magnetically shielded.
- L × W × H: 8.3 × 8.3 × 4.7 mm Max.
- Product weight: 0.93g(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.

Environmental Data

- Operating temperature range: -40°C ~ +100°C (including coil's self temperature rise)
- Storage temperature range: -40°C ~ +100°C
- Solder reflow temperature: 260 °C peak.

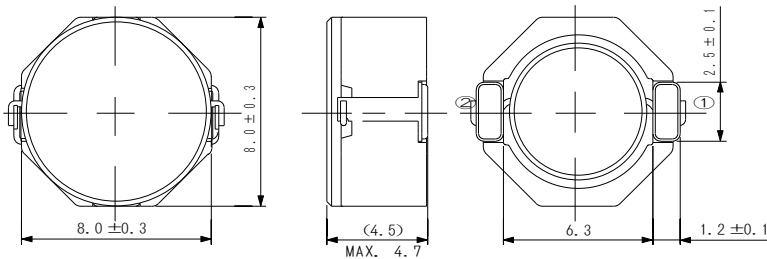
Packaging

- Carrier tape and reel packaging
- 13" diameter reel
- 500pcs per reel

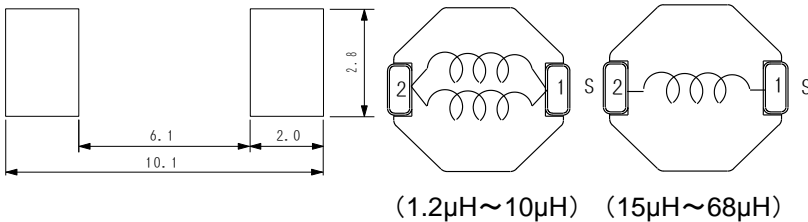
Applications

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

Dimension - [mm]



Land pattern and Schematics - [mm]



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	at 100°C	
CDRH8D43HPNP-1R2NC	1R2	1.2 ± 30%	16.5(12.3)	12.6	10.8	5.6
CDRH8D43HPNP-2R7NC	2R7	2.7 ± 30%	19.5(15.9)	8.6	7.0	5.1
CDRH8D43HPNP-4R7NC	4R7	4.7 ± 30%	27.0(20.7)	6.2	5.2	3.9
CDRH8D43HPNP-6R8NC	6R8	6.8 ± 30%	36.0(31.2)	5.6	4.5	3.3
CDRH8D43HPNP-100NC	100	10 ± 30%	53.0(44.4)	4.3	3.5	2.5
CDRH8D43HPNP-150NC	150	15 ± 30%	75.0(64.4)	3.7	2.9	2.0
CDRH8D43HPNP-220NC	220	22 ± 30%	125(103)	3.0	2.4	1.5
CDRH8D43HPNP-330NC	330	33 ± 30%	150(123)	2.5	2.0	1.4
CDRH8D43HPNP-470NC	470	47 ± 30%	238(183)	2.0	1.6	1.2
CDRH8D43HPNP-680NC	680	68 ± 30%	363(294)	1.6	1.4	0.8

※1. Inductance measuring conditions at 100kHz.

※2. Saturation current: The DC current at which the inductance decreases to 65% of its nominal value.

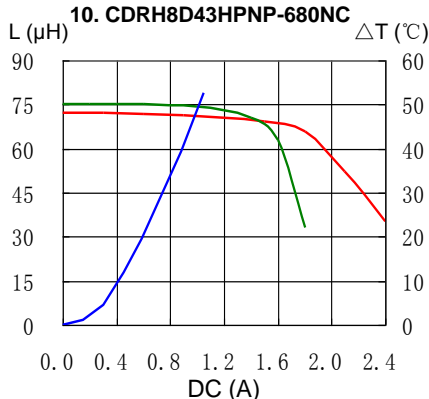
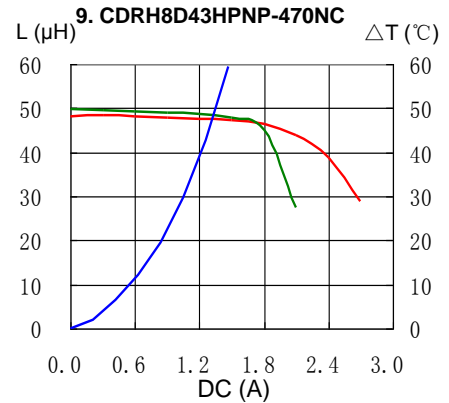
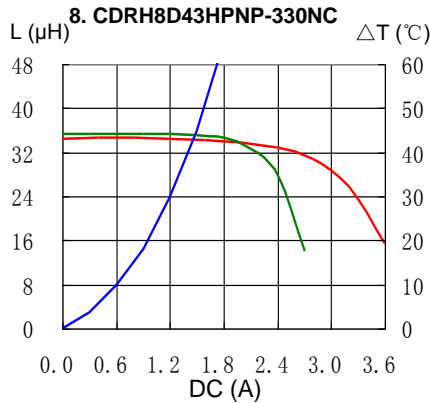
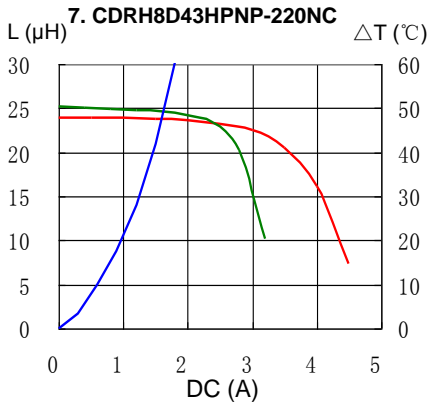
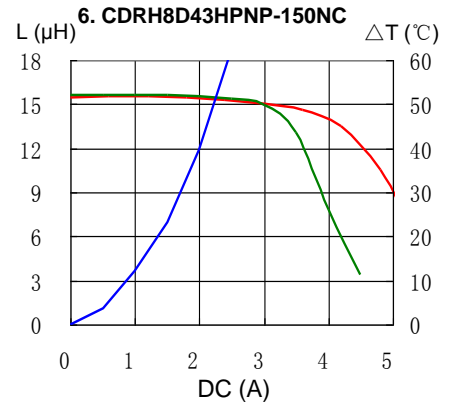
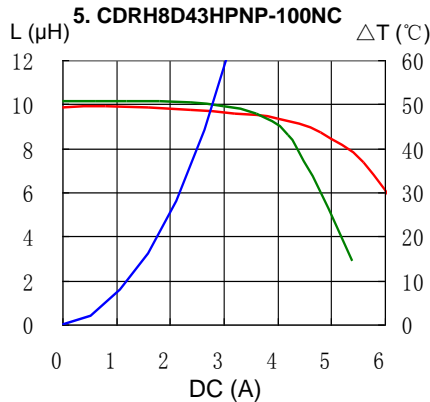
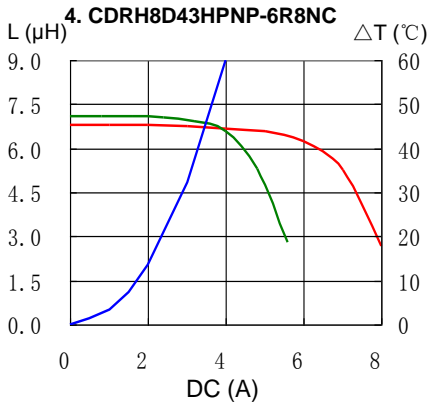
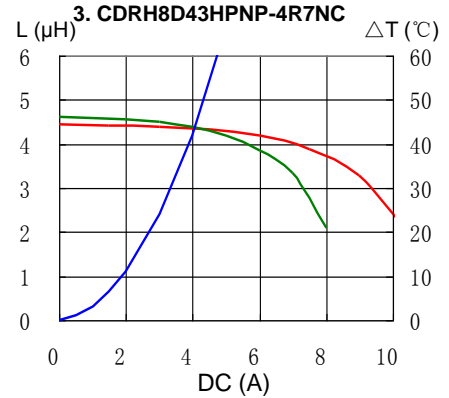
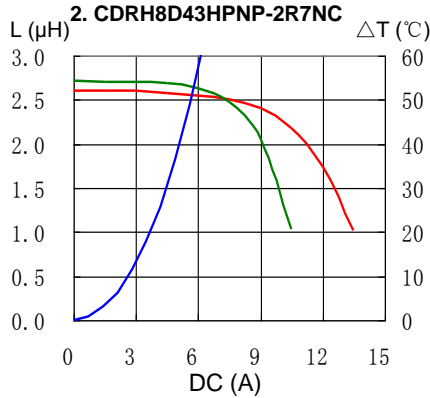
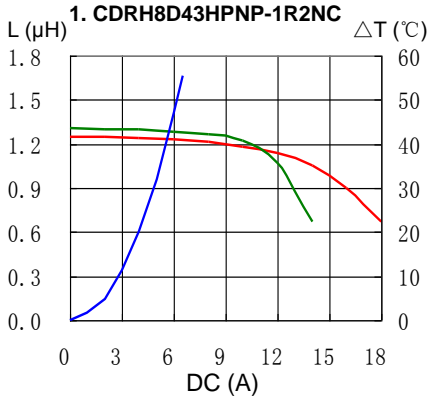
※3. Temperature rise current: The DC current at which the temperature rise is Δt=40°C.(Ta=20°C)

SMD Power Inductor CDRH8D43HP

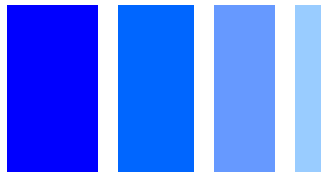


Saturation Current & Temperature Rise Graph

— L (20°C) — L (100°C) — ΔT

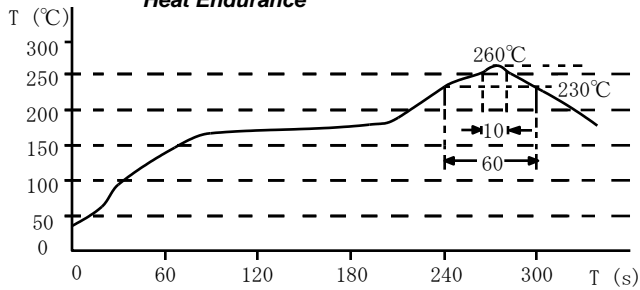


SMD Power Inductor CDRH8D43HP

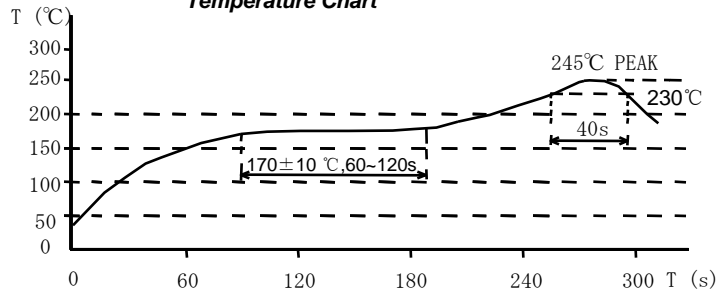


Solder Reflow Condition

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

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- ⊖ [View CDRH8D43HPNP-470NC on WIN SOURCE](#)
- ⊖ [Sumida America Components Inc. Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

- ✓ Global Sourcing Solution
- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management