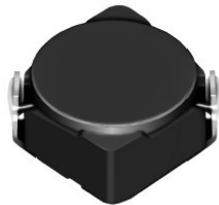


SMD Power Inductor CDRH4D29/LD



Halogen Free



Description

- Ferrite drum core construction.
- Magnetically shielded.
- L × W × H: 5.1 × 5.1 × 3.0 mm Max.
- Product weight: 240mg (Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Halogen Free available.

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.

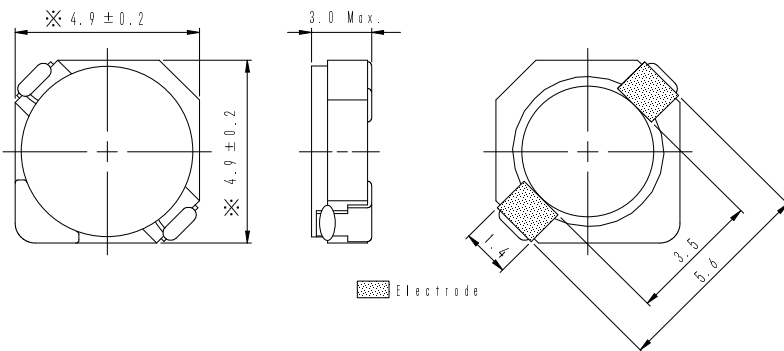
Packaging

- Carrier tape and reel packaging
- 12.9" diameter reel
- 2000pcs per reel

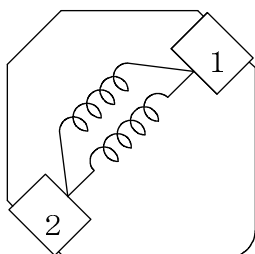
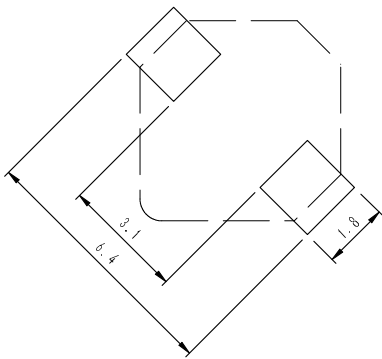
Applications

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

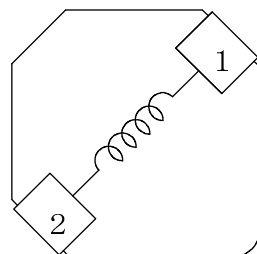
Dimension - [mm]



Land pattern and Schematics - [mm]



(0.80 μ H ~ 10.0 μ H)



(15.0 μ H ~ 100 μ H)

SMD Power Inductor CDRH4D29/LD



Electrical Characteristics

Part Name	Stamp	Inductance (μ H) [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 105°C	
CDRH4D29LDNP-R80PC	R80	0.8 \pm 25%	13.9(11.1)	3.00	2.50	5.40
CDRH4D29LDNP-1R5PC	1R5	1.5 \pm 25%	18.0(14.4)	2.40	2.00	4.50
CDRH4D29LDNP-2R2PC	2R2	2.2 \pm 25%	20.1(16.1)	2.00	1.70	4.10
CDRH4D29LDNP-3R3PC	3R3	3.3 \pm 25%	29.5(23.6)	1.60	1.30	3.20
CDRH4D29LDNP-4R7PC	4R7	4.7 \pm 25%	35.4(28.3)	1.30	1.10	2.80
CDRH4D29LDNP-5R6PC	5R6	5.6 \pm 25%	45.9(36.7)	1.20	1.00	2.40
CDRH4D29LDNP-6R8PC	6R8	6.8 \pm 25%	49.3(39.4)	1.15	0.95	2.30
CDRH4D29LDNP-8R2PC	8R2	8.2 \pm 25%	53.3(42.6)	1.00	0.85	2.20
CDRH4D29LDNP-100MC	100	10.0 \pm 20%	71.6(57.3)	0.90	0.76	1.85
CDRH4D29LDNP-150MC	150	15.0 \pm 20%	93.0(74.4)	0.72	0.62	1.70
CDRH4D29LDNP-220MC	220	22.0 \pm 20%	122(97.6)	0.65	0.53	1.35
CDRH4D29LDNP-330MC	330	33.0 \pm 20%	190(152)	0.52	0.43	1.05
CDRH4D29LDNP-390MC	390	39.0 \pm 20%	218(174)	0.46	0.4	1.00
CDRH4D29LDNP-470MC	470	47.0 \pm 20%	238(190)	0.41	0.36	0.95
CDRH4D29LDNP-680MC	680	68.0 \pm 20%	355(284)	0.36	0.30	0.75
CDRH4D29LDNP-820MC	820	82.0 \pm 20%	474(379)	0.32	0.27	0.62
CDRH4D29LDNP-101MC	101	100 \pm 20%	523(418)	0.29	0.24	0.58

※1. Inductance measuring condition: at 100kHz.

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

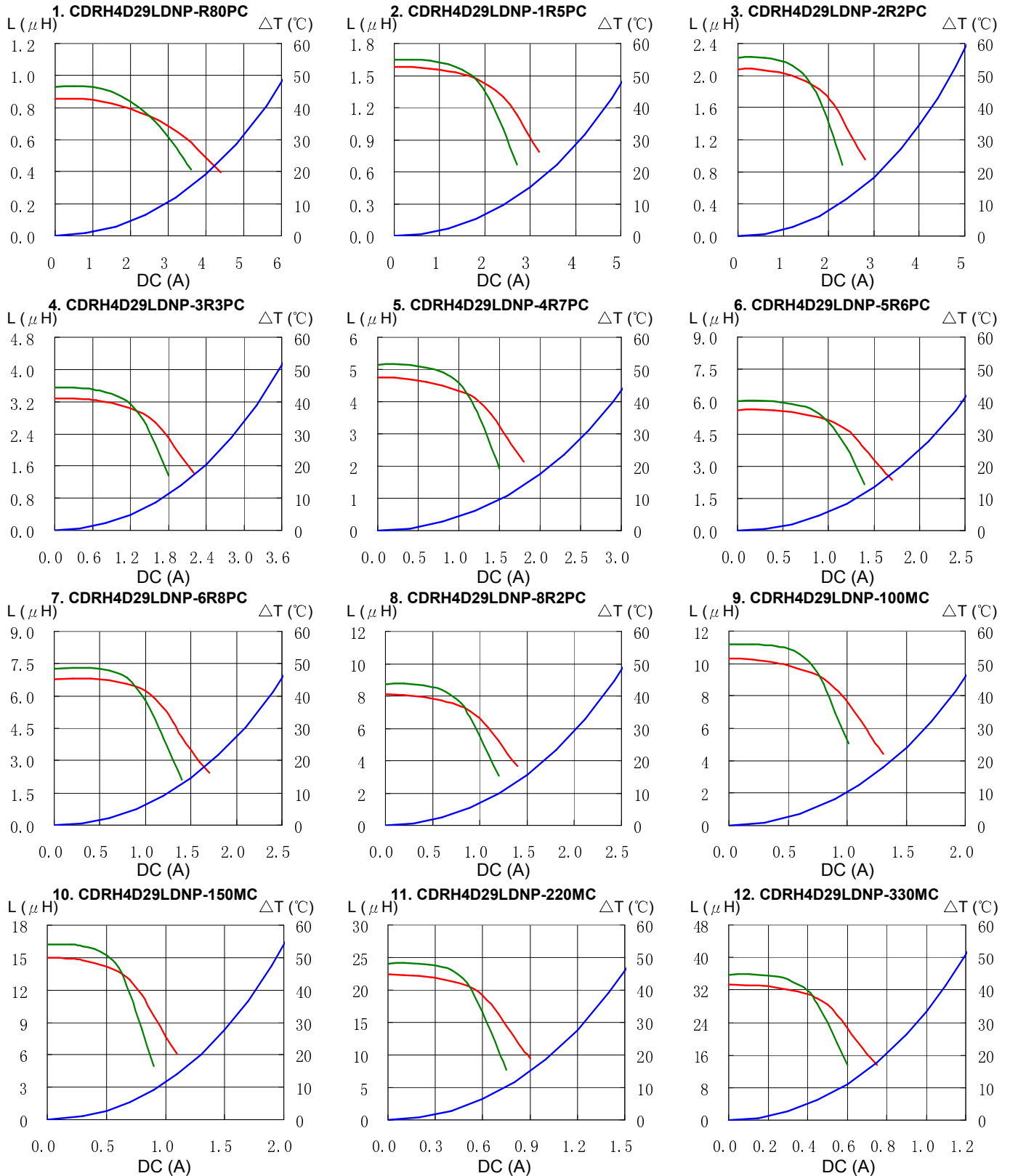
※3. Temperature rise current: The DC current at which the temperature rise is $\Delta t=40^{\circ}\text{C}$. ($T_a=20^{\circ}\text{C}$)

SMD Power Inductor CDRH4D29/LD



Saturation Current & Temperature Rise Graph

— L (20°C) — L (100°C) — ΔT

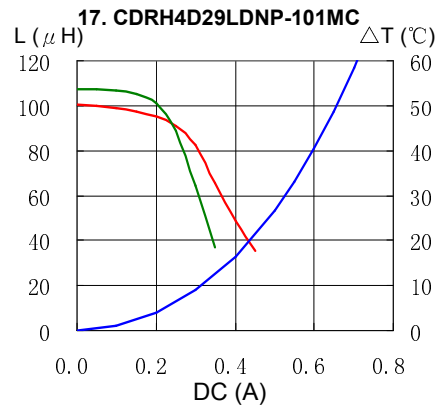
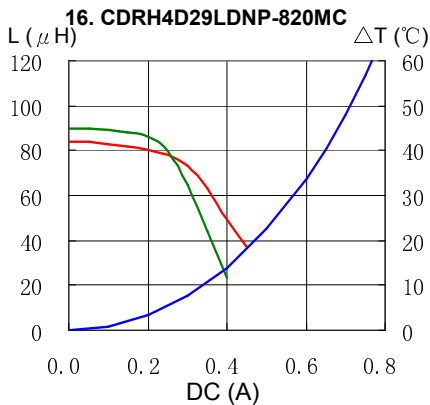
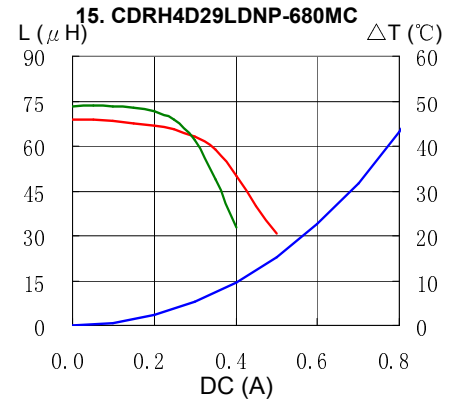
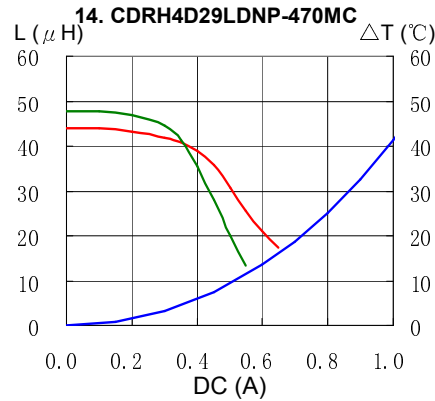
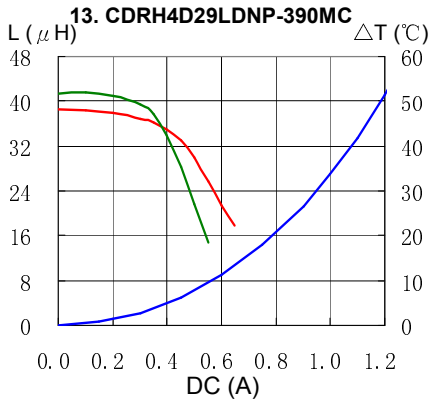


SMD Power Inductor CDRH4D29/LD

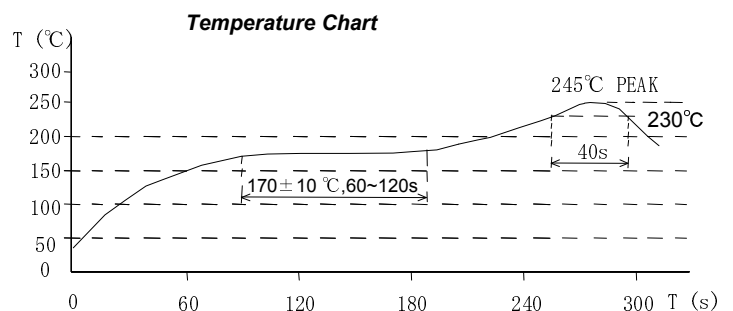
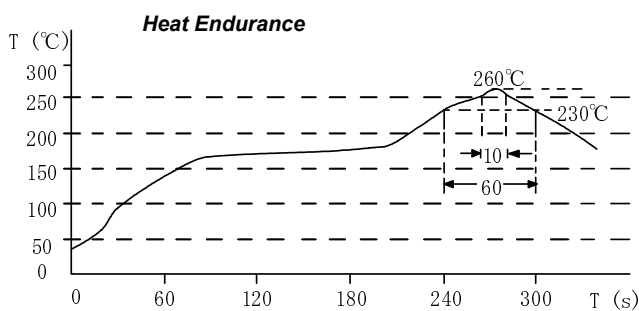


Saturation Current & Temperature Rise Graph

— L (20°C) — L (100°C) — ΔT



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

Oberzell
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