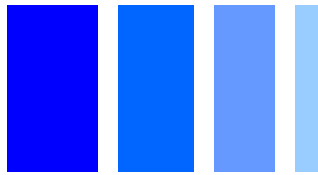


SMD Power Inductor

CDRH6D28



Electrical Characteristics

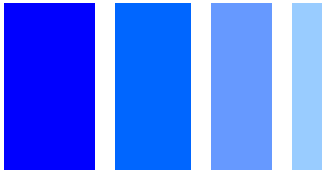
Part Name	Stamp	Inductance (μ H) [within] ※1	D.C.R.(Ω) Max. (Typ.) (at 20°C)	Rated Current (A) ※2
CDRH6D28NP-3R0NC	3R0	$3.0 \pm 30\%$	24m (18m)	3.00
CDRH6D28NP-3R9NC	3R9	$3.9 \pm 30\%$	27m (20m)	2.60
CDRH6D28NP-5R0NC	5R0	$5.0 \pm 30\%$	31m (23m)	2.40
CDRH6D28NP-6R0NC	6R0	$6.0 \pm 30\%$	35m (26m)	2.25
CDRH6D28NP-7R3NC	7R3	$7.3 \pm 30\%$	54m (40m)	2.10
CDRH6D28NP-8R6NC	8R6	$8.6 \pm 30\%$	58m (43m)	1.85
CDRH6D28NP-100NC	100	$10 \pm 30\%$	65m (48m)	1.70
CDRH6D28NP-120NC	120	$12 \pm 30\%$	70m (52m)	1.55
CDRH6D28NP-150NC	150	$15 \pm 30\%$	84m (62m)	1.40
CDRH6D28NP-180NC	180	$18 \pm 30\%$	95m (70m)	1.32
CDRH6D28NP-220NC	220	$22 \pm 30\%$	128m (95m)	1.20
CDRH6D28NP-270NC	270	$27 \pm 30\%$	142m(105m)	1.05
CDRH6D28NP-330NC	330	$33 \pm 30\%$	165m(122m)	0.97
CDRH6D28NP-390NC	390	$39 \pm 30\%$	210m(156m)	0.86
CDRH6D28NP-470NC	470	$47 \pm 30\%$	238m(176m)	0.80
CDRH6D28NP-560NC	560	$56 \pm 30\%$	277m(205m)	0.73
CDRH6D28NP-680NC	680	$68 \pm 30\%$	304m(225m)	0.65
CDRH6D28NP-820NC	820	$82 \pm 30\%$	390m(290m)	0.60
CDRH6D28NP-101NC	101	$100 \pm 30\%$	535m(397m)	0.54

※1. Inductance measuring condition: at 100kHz.

※2. Rated current: The DC current at which the inductance decreases to 65% of it's nominal value or when $\Delta t=30^\circ\text{C}$, whichever is lower ($T_a=20^\circ\text{C}$).

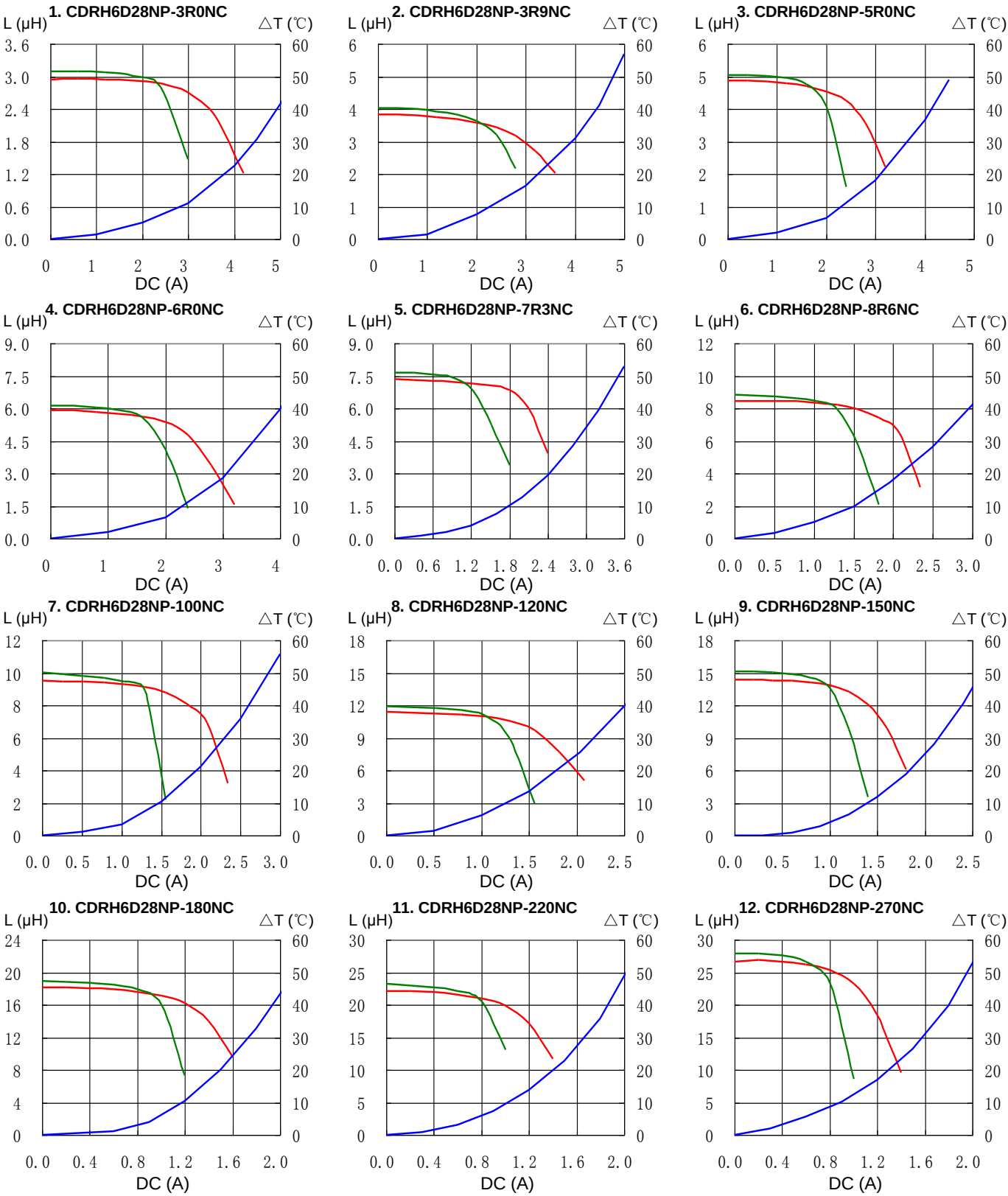
SMD Power Inductor

CDRH6D28



Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) — ΔT



SMD Power Inductor

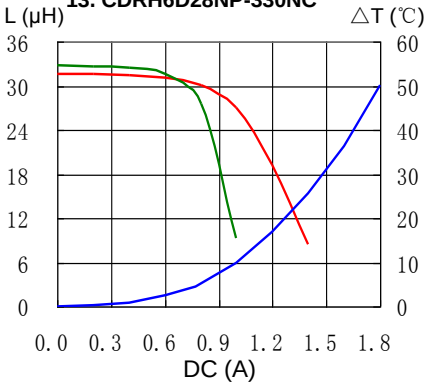
CDRH6D28



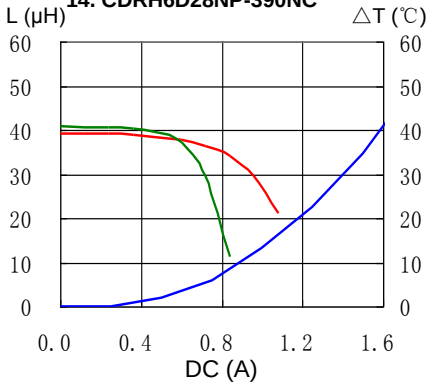
Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) — ΔT

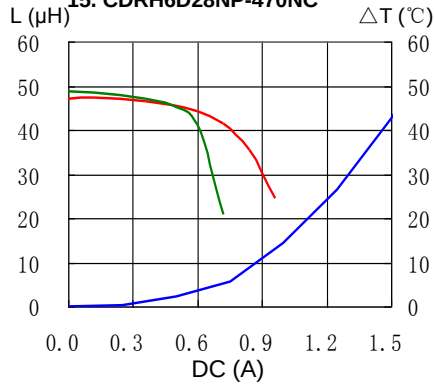
13. CDRH6D28NP-330NC



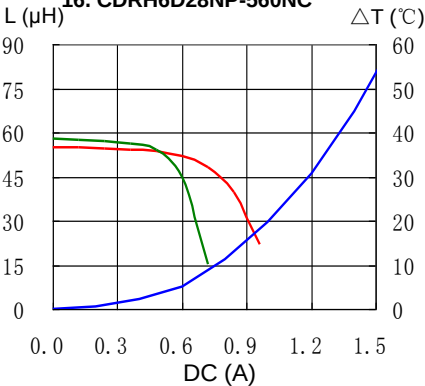
14. CDRH6D28NP-390NC



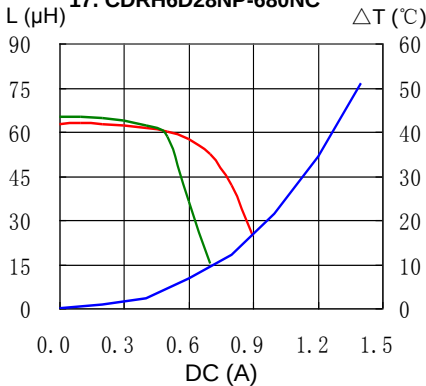
15. CDRH6D28NP-470NC



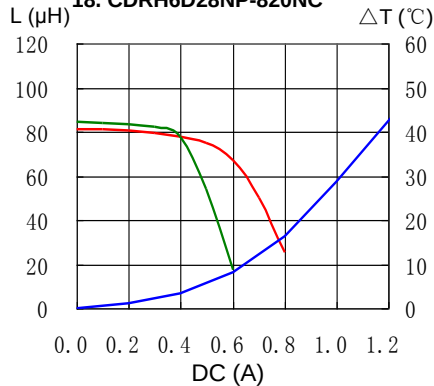
16. CDRH6D28NP-560NC



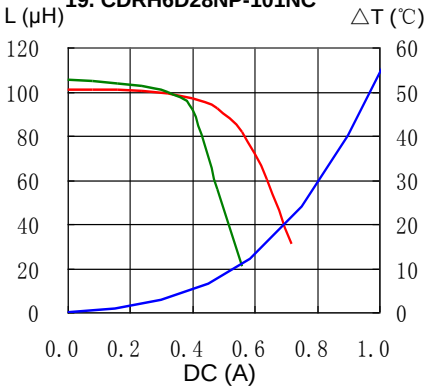
17. CDRH6D28NP-680NC



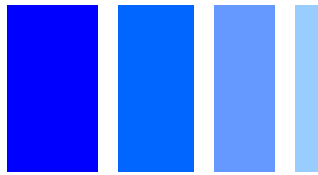
18. CDRH6D28NP-820NC



19. CDRH6D28NP-101NC

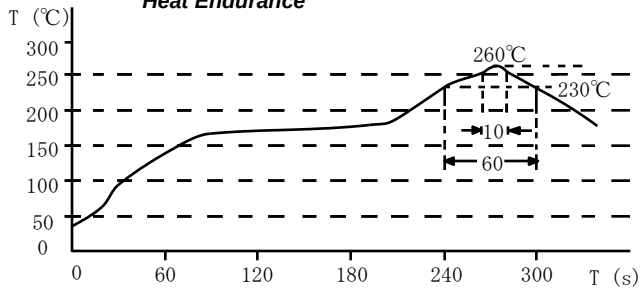


SMD Power Inductor CDRH6D28

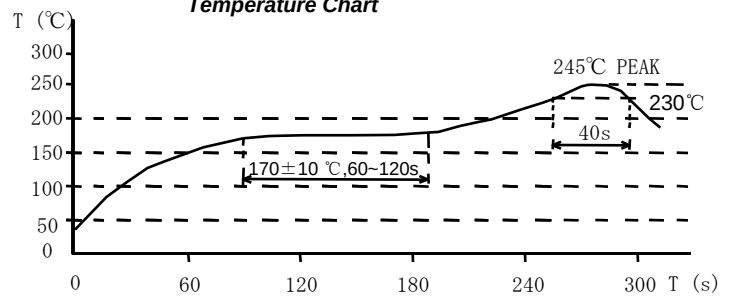


Solder Reflow Condition

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