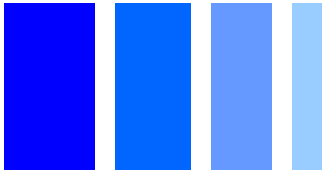


SMD Power Inductor

CDRH8D38



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
				(at20°C)	(at105°C)	
CDRH8D38NP—1R8NC	1R8	1.8 μ H $\pm$ 30%	15.6(12.5)	7.00	6.20	6.80
CDRH8D38NP—2R5NC	2R5	2.5 μ H $\pm$ 30%	17.5(14)	6.50	5.50	6.00
CDRH8D38NP—3R5NC	3R5	3.5 μ H $\pm$ 30%	24(19)	5.00	4.40	5.20
CDRH8D38NP—4R7NC	4R7	4.7 μ H $\pm$ 30%	29(23)	4.60	4.00	4.40
CDRH8D38NP—6R0NC	6R0	6.0 μ H $\pm$ 30%	32(25)	4.20	3.50	4.00
CDRH8D38NP—100NC	100	10 μ H $\pm$ 30%	48(38)	3.00	2.60	3.20
CDRH8D38NP—150NC	150	15 μ H $\pm$ 30%	67(53)	2.75	2.30	2.50
CDRH8D38NP—220NC	220	22 μ H $\pm$ 30%	105(84)	2.30	1.88	2.00
CDRH8D38NP—330NC	330	33 μ H $\pm$ 30%	157(125)	1.75	1.52	1.60
CDRH8D38NP—470NC	470	47 μ H $\pm$ 30%	189(151)	1.52	1.28	1.42
CDRH8D38NP—680NC	680	68 μ H $\pm$ 30%	290(232)	1.30	1.10	1.08
CDRH8D38NP—101NC	101	100 μ H $\pm$ 30%	410(328)	1.05	0.88	0.88

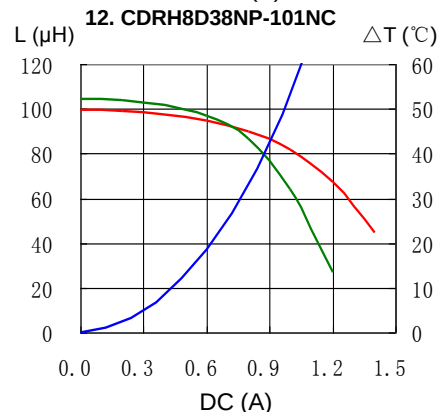
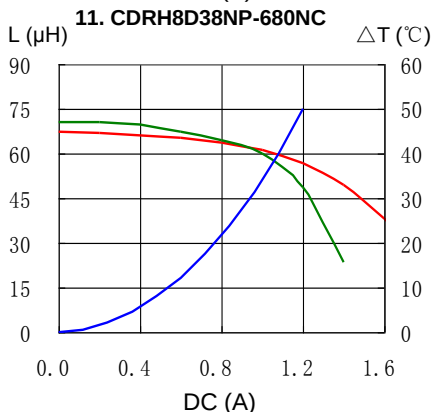
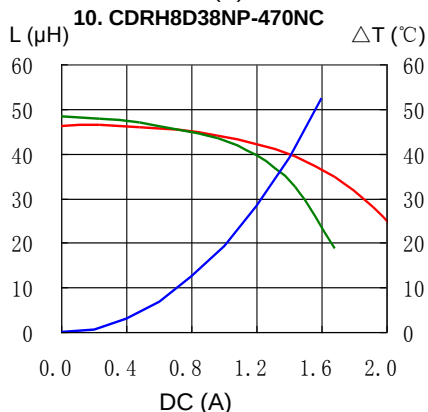
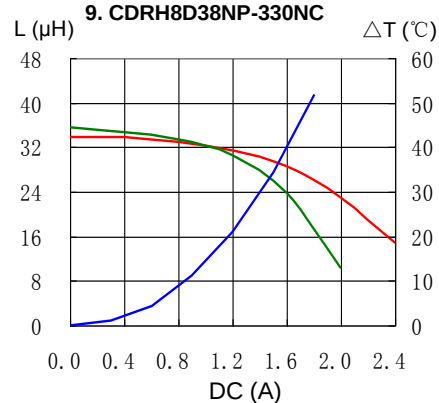
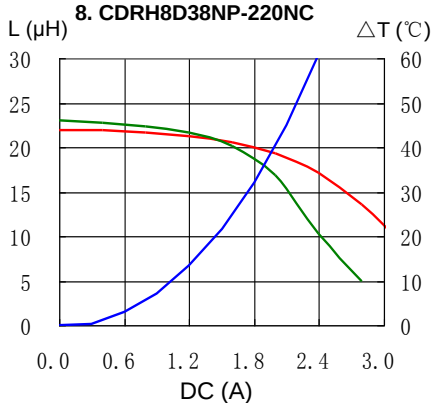
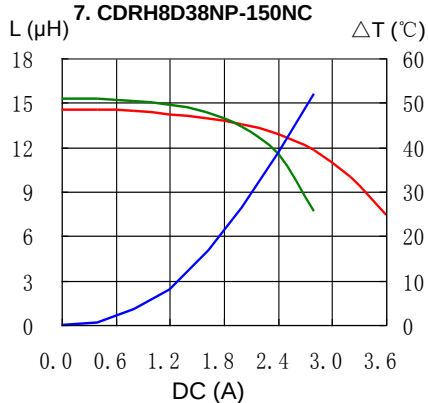
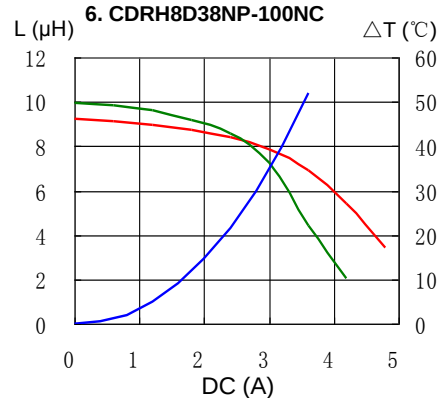
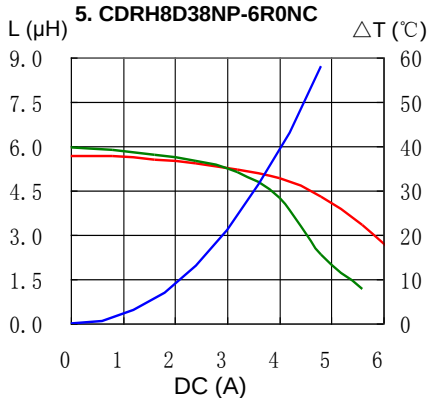
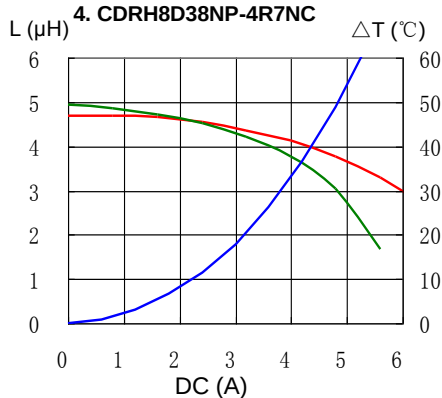
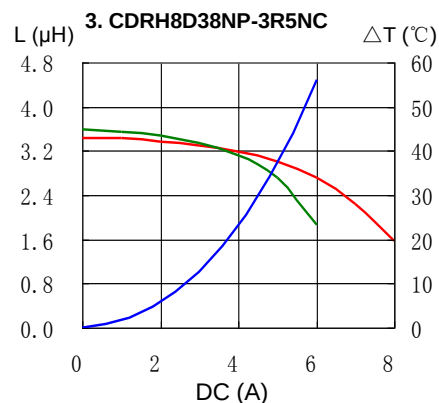
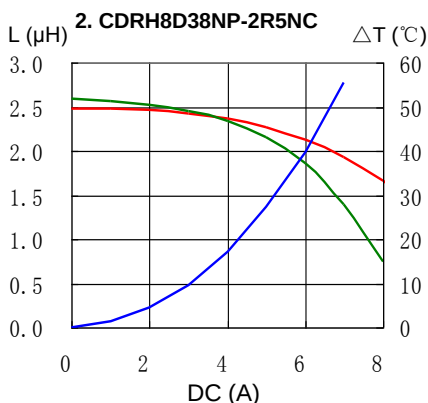
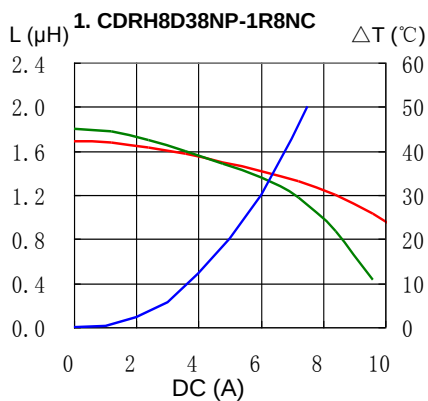
- ※1. Inductance measuring condition: at 100kHz.
- ※2. Saturation current: The value of D.C. current when the inductance decreases to 65% of it's nominal value.
- ※3. Temperature rise current: The value of D.C. current when the temperature rise is $\Delta t=40^{\circ}\text{C}$ ($T_a=20^{\circ}\text{C}$).

SMD Power Inductor CDRH8D38



Saturation Current & Temperature Rise Graph

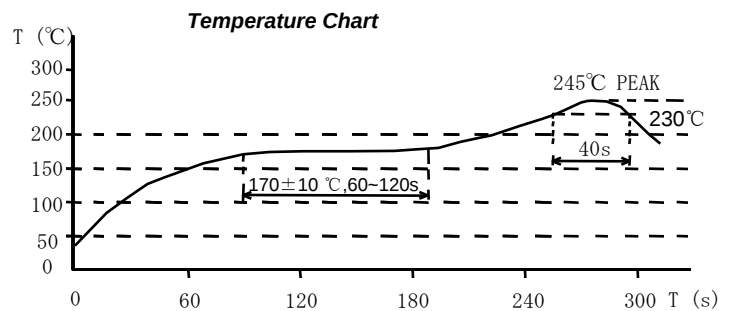
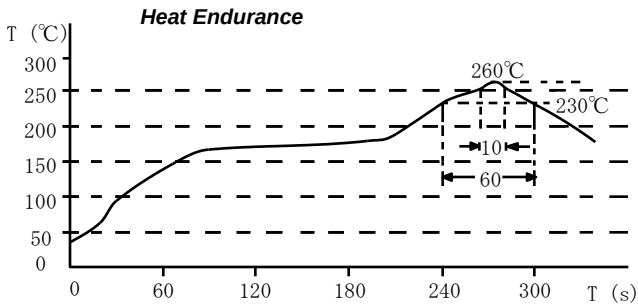
— L (20°C) — L (100°C) — ΔT



SMD Power Inductor CDRH8D38



Solder Reflow Condition



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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