

SMD Power Inductor

CDRH3D18



Electrical Characteristics

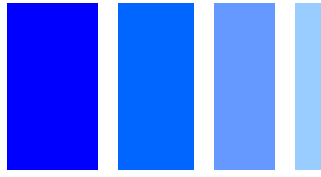
Part Name	Stamp	Inductance (μ H) [within] ※1	D.C.R. (m Ω) Max. (Typ.) (at 20°C)	Saturation Current (A) ※2		Temperature Rise Current (A) ※3
				at 20°C	at 100°C	
CDRH3D18NP-1R0NC	A	1.0 \pm 30%	50(40)	2.80	2.00	2.40
CDRH3D18NP-2R2NC	B	2.2 \pm 30%	63(50)	1.80	1.30	2.00
CDRH3D18NP-3R0NC	C	3.0 \pm 30%	69(55)	1.60	1.20	1.80
CDRH3D18NP-4R7NC	D	4.7 \pm 30%	107.5(86)	1.35	0.95	1.35
CDRH3D18NP-6R8NC	E	6.8 \pm 30%	150(120)	1.10	0.80	1.10
CDRH3D18NP-100NC	F	10.0 \pm 30%	205(164)	0.90	0.65	0.90
CDRH3D18NP-120NC	G	12.0 \pm 30%	275(220)	0.80	0.60	0.80
CDRH3D18NP-150NC	H	15.0 \pm 30%	302(241)	0.75	0.55	0.75
CDRH3D18NP-220NC	I	22.0 \pm 30%	424(339)	0.60	0.45	0.60
CDRH3D18NP-330NC	J	33.0 \pm 30%	640(512)	0.50	0.35	0.45
CDRH3D18NP-470NC	K	47.0 \pm 30%	964(771)	0.40	0.30	0.35

※1. Inductance measuring condition: at 100kHz.

※2. Saturation current: The value of D.C. current when the inductance decreases to 65% of its nominal value.

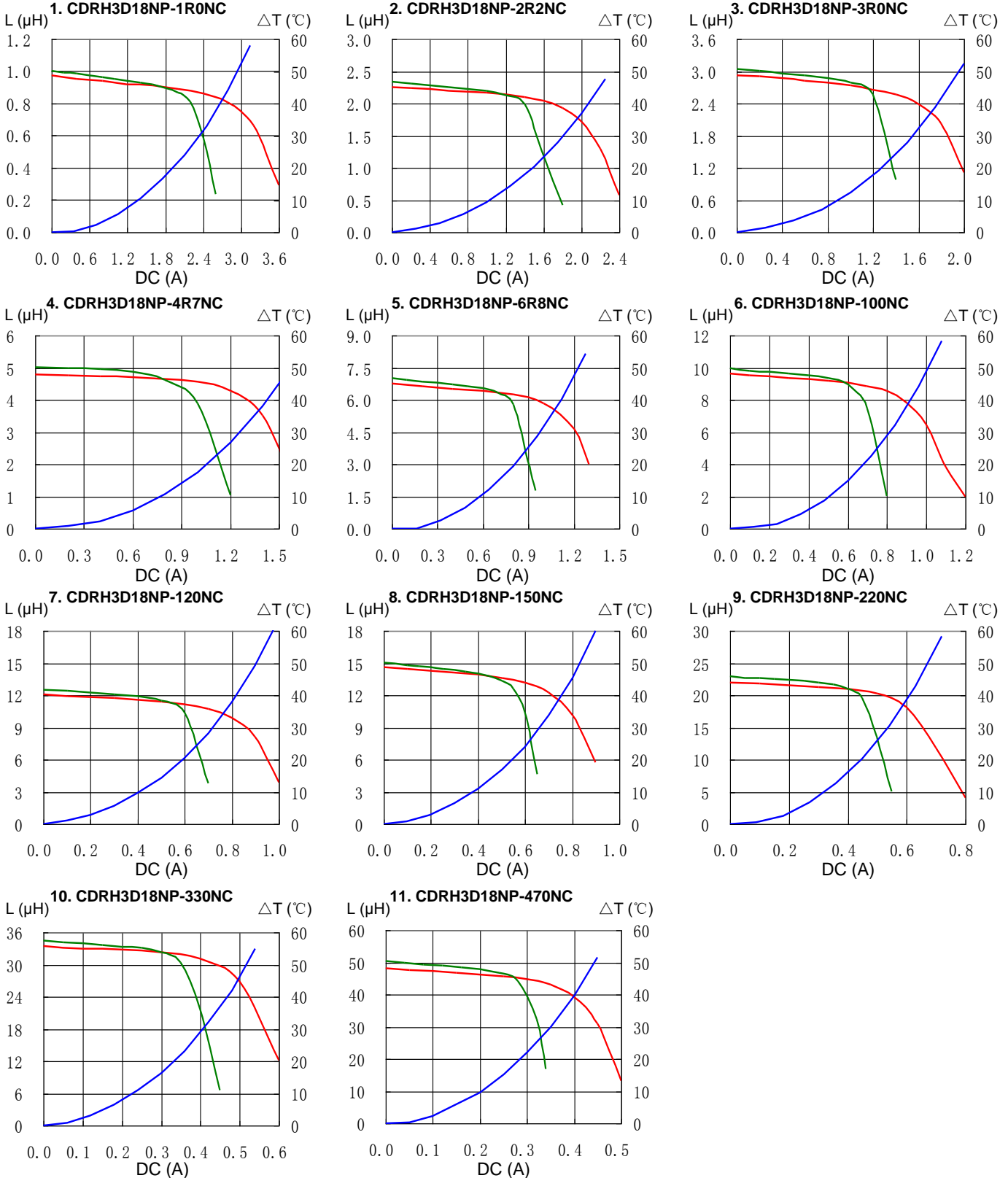
※3. Temperature rise current: The value of D.C. current when the temperature rise is $\Delta t=40^{\circ}\text{C}$ ($T_a=20^{\circ}\text{C}$).

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Saturation Current & Temperature Rise Graph

— L (20°C) — L (100°C) — ΔT

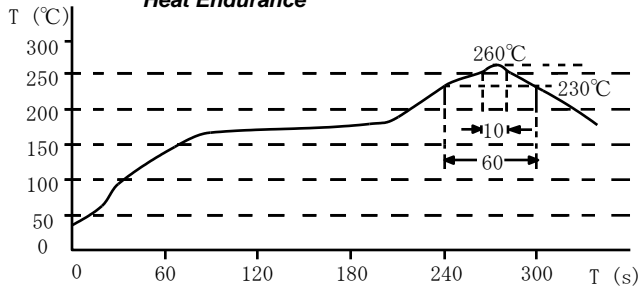


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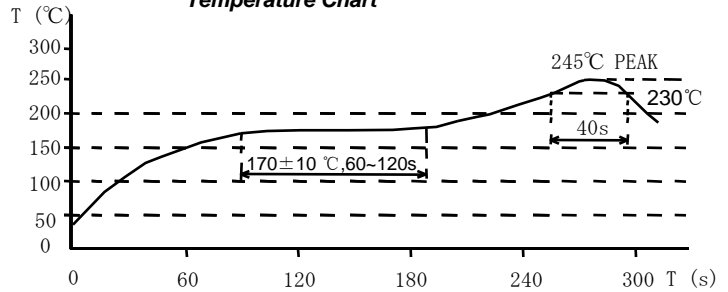


Solder Reflow Condition

Heat Endurance



Temperature Chart



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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