

SMD Power Inductor

CDRH5D28R



Electrical Characteristics

Part Name	Stamp	Inductance (μH) [within] ※1	D.C.R. (m Ω) [Max.] (Typ.) (at 20°C)	Rated Current (A) ※2
CDRH5D28RNP-2R5NC	2R5	2.5 \pm 30%	17.6(13)	2.60
CDRH5D28RNP-3R3NC	3R3	3.3 \pm 30%	20.3(15)	2.30
CDRH5D28RNP-4R0NC	4R0	4.0 \pm 30%	27.0(20)	2.10
CDRH5D28RNP-5R0NC	5R0	5.0 \pm 30%	31.1(23)	1.85
CDRH5D28RNP-6R0NC	6R0	6.0 \pm 30%	41.9(31)	1.70
CDRH5D28RNP-8R0NC	8R0	8.0 \pm 30%	49.9(37)	1.50
CDRH5D28RNP-100NC	100	10 \pm 30%	54.0(40)	1.30
CDRH5D28RNP-120NC	120	12 \pm 30%	71.6(53)	1.20
CDRH5D28RNP-150NC	150	15 \pm 30%	82.4(61)	1.10
CDRH5D28RNP-180NC	180	18 \pm 30%	101.5(75)	1.05
CDRH5D28RNP-220NC	220	22 \pm 30%	119.0(88)	0.95
CDRH5D28RNP-270NC	270	27 \pm 30%	146.0(108)	0.85
CDRH5D28RNP-330NC	330	33 \pm 30%	182.5(135)	0.76
CDRH5D28RNP-390NC	390	39 \pm 30%	209.5(155)	0.68
CDRH5D28RNP-470NC	470	47 \pm 30%	229.5(170)	0.60
CDRH5D28RNP-560NC	560	56 \pm 30%	305.0(226)	0.55
CDRH5D28RNP-680NC	680	68 \pm 30%	351.0(260)	0.48
CDRH5D28RNP-820NC	820	82 \pm 30%	418.5(310)	0.45
CDRH5D28RNP-101NC	101	100 \pm 30%	520.0(385)	0.40

※1. Inductance measuring condition: at 100kHz.

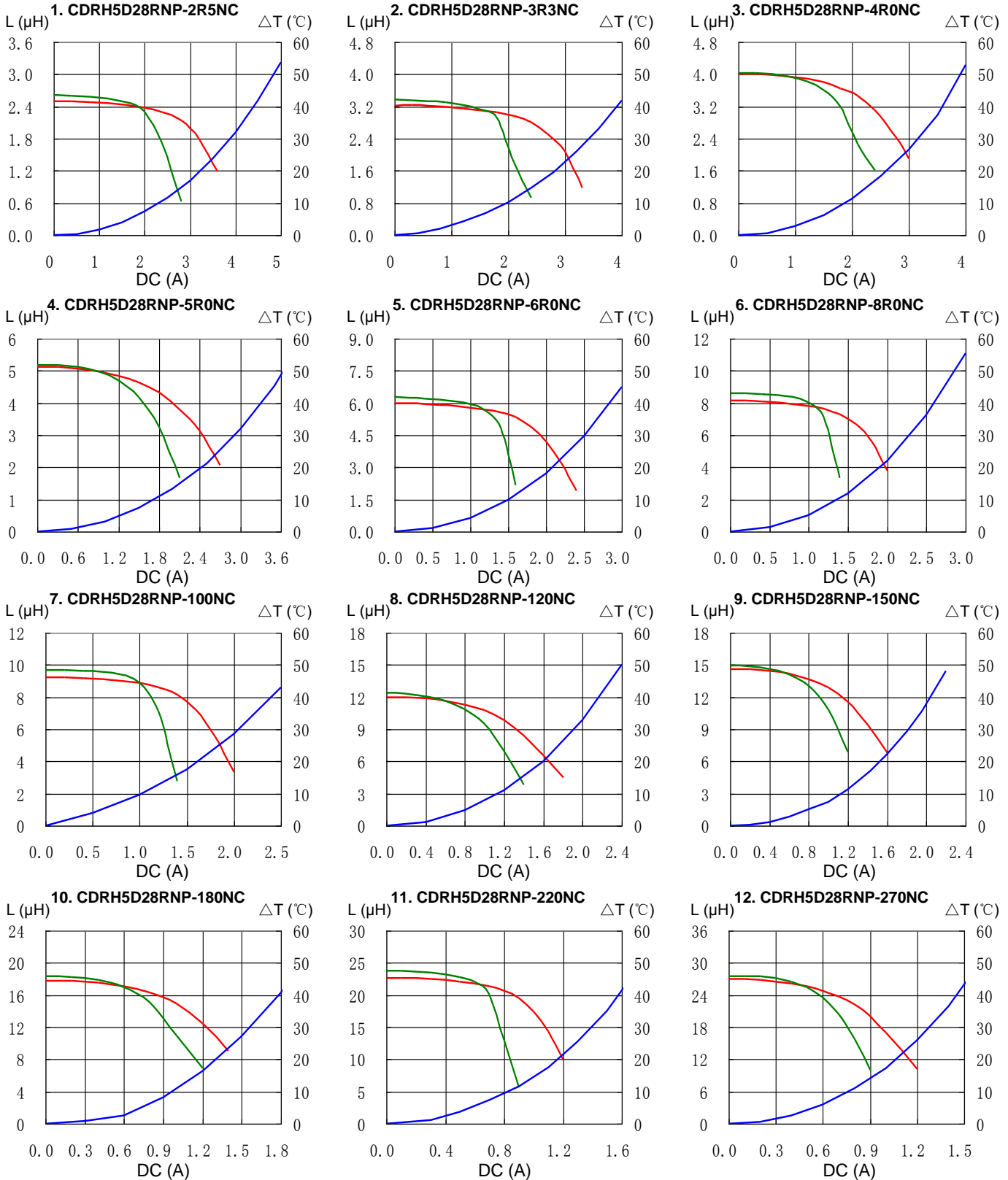
※2. Rated current: The DC current at which the inductance decreases to 65% of its nominal value or when $\Delta t=30^\circ\text{C}$, whichever is lower ($T_a=20^\circ\text{C}$).

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Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) — ΔT

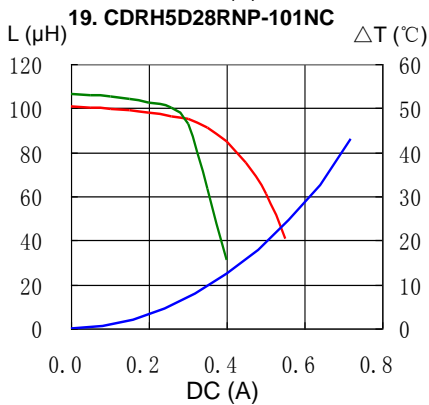
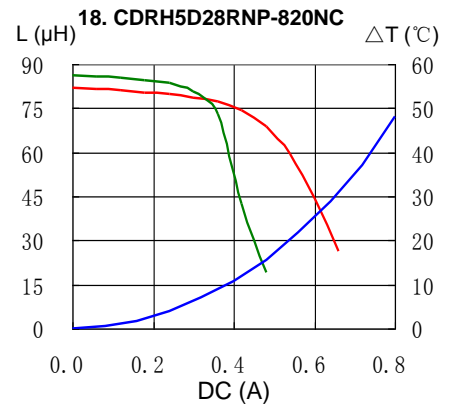
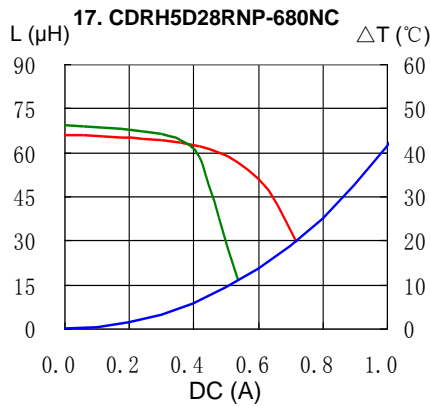
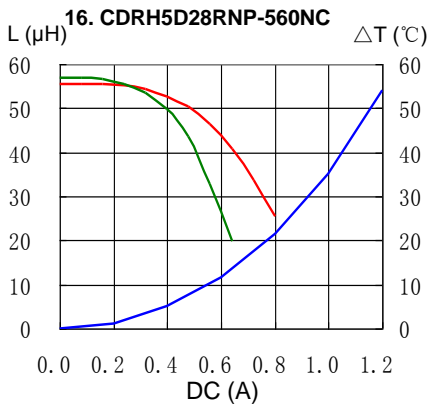
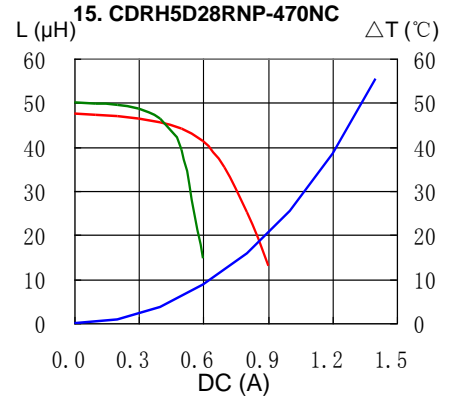
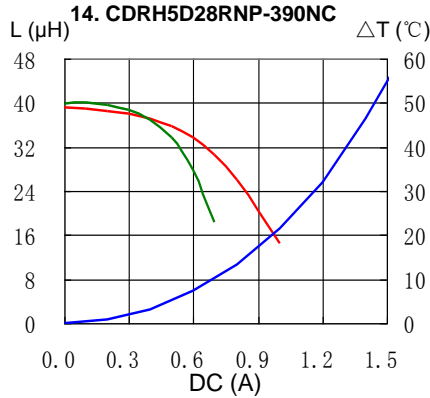
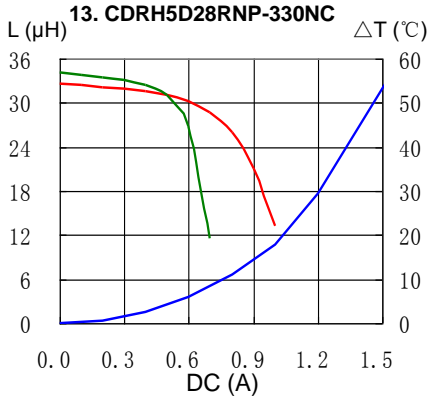


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Saturation Current & Temperature Rise Graph

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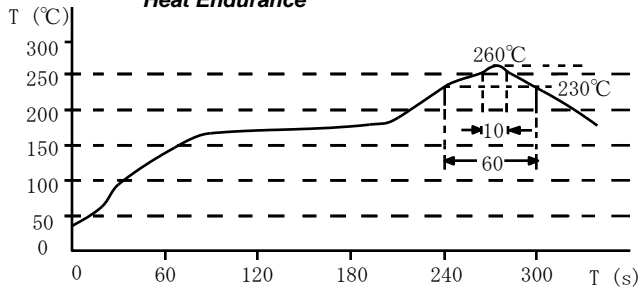


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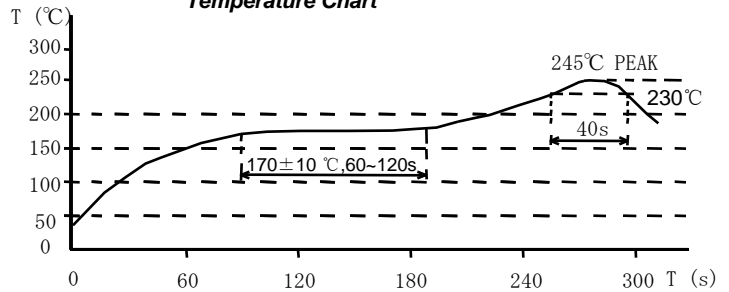


Solder Reflow Condition

Heat Endurance



Temperature Chart



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