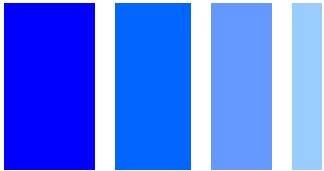


SMD Power Inductor

CDRH5D28



Electrical Characteristics

Part Name	Stamp	Inductance (μ H) [within] ※1	D.C.R. (Ω) [Max.] (Typ.) (at 20°C)	Rated Current (A) ※2
CDRH5D28NP-2R5NC	2R5	$2.5 \pm 30\%$	18m (13m)	2.60
CDRH5D28NP-3R0NC	3R0	$3.0 \pm 30\%$	24m (18m)	2.40
CDRH5D28NP-4R2NC	4R2	$4.2 \pm 30\%$	31m (23m)	2.20
CDRH5D28NP-5R3NC	5R3	$5.3 \pm 30\%$	38m (28m)	1.90
CDRH5D28NP-6R2NC	6R2	$6.2 \pm 30\%$	45m (33m)	1.80
CDRH5D28NP-8R2NC	8R2	$8.2 \pm 30\%$	53m (39m)	1.60
CDRH5D28NP-100NC	100	$10 \pm 30\%$	65m (48m)	1.30
CDRH5D28NP-120NC	120	$12 \pm 30\%$	76m (56m)	1.20
CDRH5D28NP-150NC	150	$15 \pm 30\%$	103m (76m)	1.10
CDRH5D28NP-180NC	180	$18 \pm 30\%$	110m (82m)	1.00
CDRH5D28NP-220NC	220	$22 \pm 30\%$	122m (90m)	0.90
CDRH5D28NP-270NC	270	$27 \pm 30\%$	175m(130m)	0.85
CDRH5D28NP-330NC	330	$33 \pm 30\%$	189m(140m)	0.75
CDRH5D28NP-390NC	390	$39 \pm 30\%$	212m(157m)	0.70
CDRH5D28NP-470NC	470	$47 \pm 30\%$	250m(185m)	0.62
CDRH5D28NP-560NC	560	$56 \pm 30\%$	305m(226m)	0.58
CDRH5D28NP-680NC	680	$68 \pm 30\%$	355m(263m)	0.52
CDRH5D28NP-820NC	820	$82 \pm 30\%$	463m(343m)	0.46
CDRH5D28NP-101NC	101	$100 \pm 30\%$	520m(385m)	0.42

※1. Inductance measuring condition: at 100kHz.

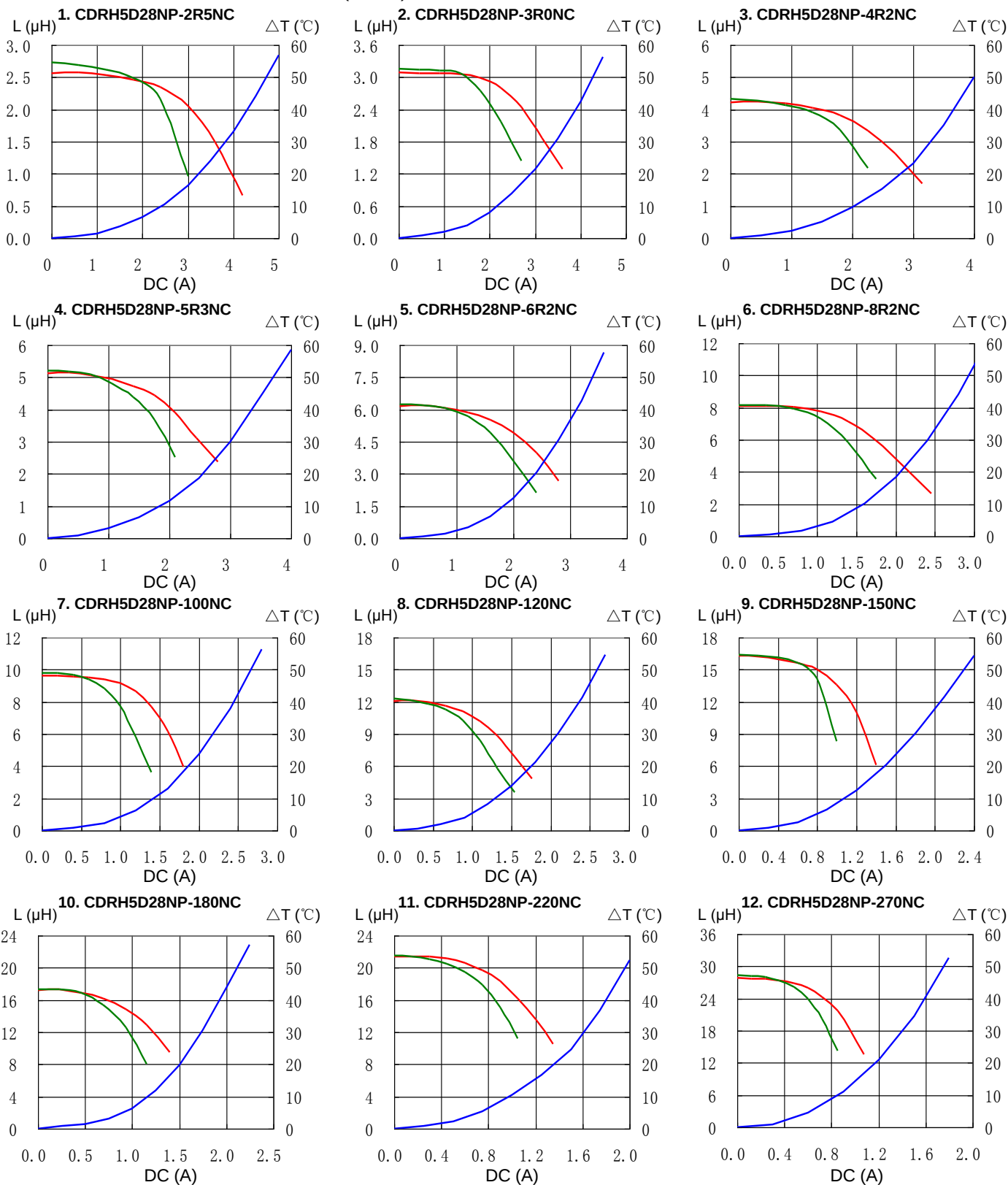
※2. Rated current: The DC current at which the inductance decreases to 65% of it's nominal value orwhen $\Delta t=30^{\circ}\text{C}$, whichever is lower (Ta=20°C).

SMD Power Inductor CDRH5D28



Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) — ΔT



SMD Power Inductor

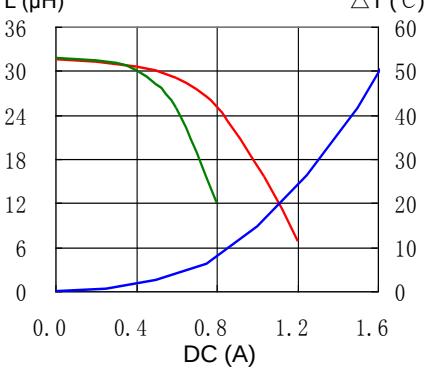
CDRH5D28



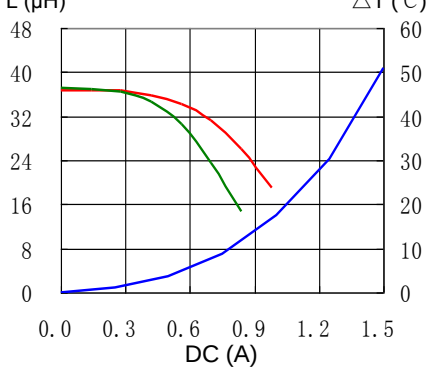
Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) — ΔT

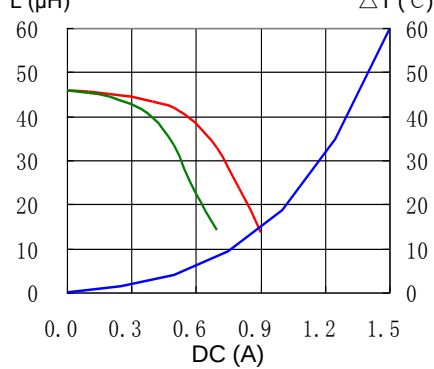
13. CDRH5D28NP-330NC



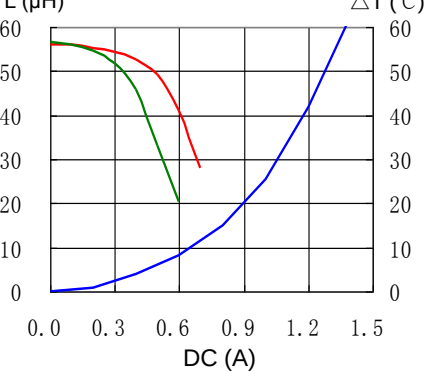
14. CDRH5D28NP-390NC



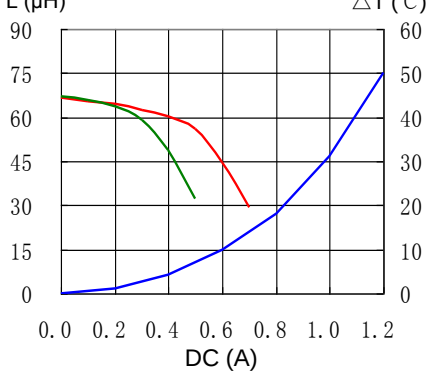
15. CDRH5D28NP-470NC



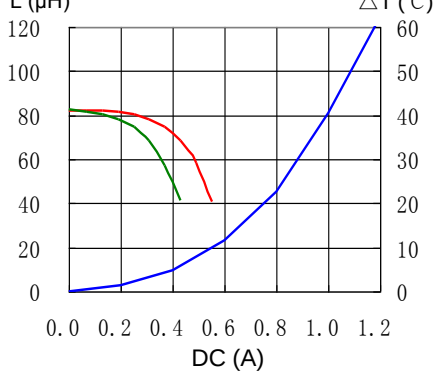
16. CDRH5D28NP-560NC



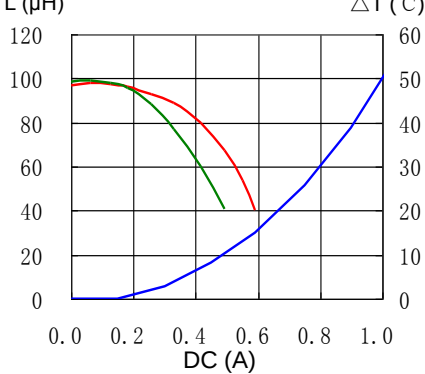
17. CDRH5D28NP-680NC



18. CDRH5D28NP-820NC



19. CDRH5D28NP-101NC

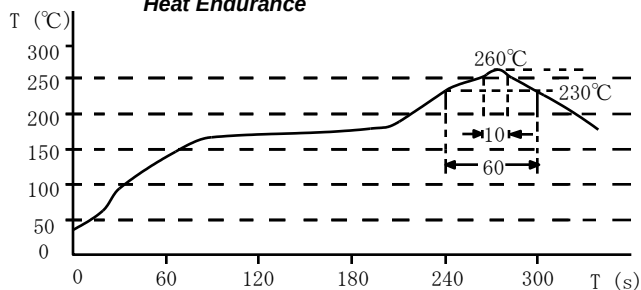


SMD Power Inductor CDRH5D28

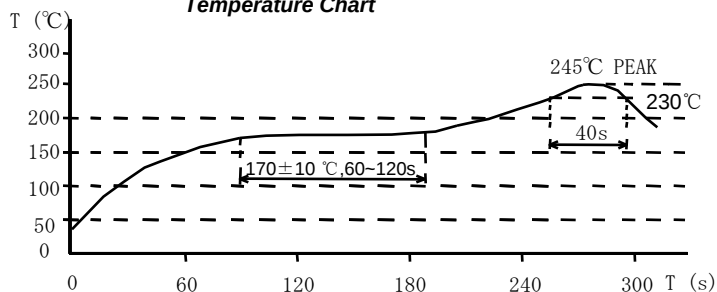


Solder Reflow Condition

Heat Endurance



Temperature Chart



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