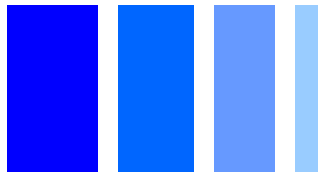


SMD Power Inductor

CDRH8D28



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
CDRH8D28NP-1R0NC	1R0	$1.0 \pm 30\%$	11.0(8)	6.50	7.00
CDRH8D28NP-2R5NC	2R5	$2.5 \pm 30\%$	15.6(12)	4.50	6.40
CDRH8D28NP-3R3NC	3R3	$3.3 \pm 30\%$	18.2(14)	4.00	6.00
CDRH8D28NP-4R7NC	4R7	$4.7 \pm 30\%$	24.7(19)	3.40	4.50
CDRH8D28NP-7R3NC	7R3	$7.3 \pm 30\%$	39.0(30)	2.80	3.40
CDRH8D28NP-100NC	100	$10 \pm 30\%$	47.0(36)	2.50	3.20
CDRH8D28NP-150NC	150	$15 \pm 30\%$	69.0(53)	1.90	2.35
CDRH8D28NP-220NC	220	$22 \pm 30\%$	99.0(76)	1.60	1.85
CDRH8D28NP-330NC	330	$33 \pm 30\%$	156(120)	1.30	1.45
CDRH8D28NP-470NC	470	$47 \pm 30\%$	195(150)	1.15	1.30
CDRH8D28NP-680NC	680	$68 \pm 30\%$	286(220)	0.92	0.98
CDRH8D28NP-101NC	101	$100 \pm 30\%$	430(330)	0.75	0.80

※1. Inductance measuring conditions at 100kHz.

※2. Saturation current: The DC current at which the inductance decreases to 65% of its nominal value.

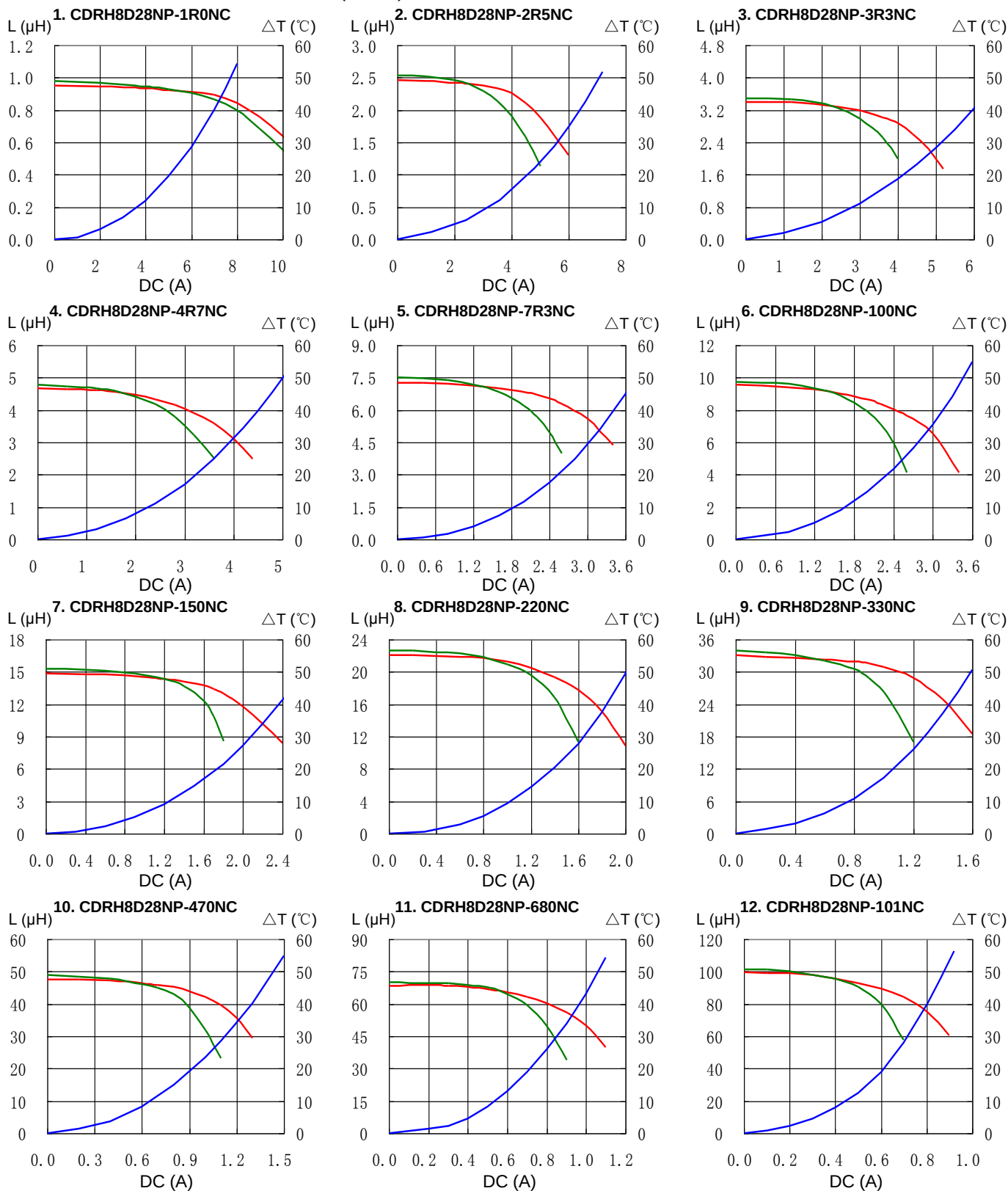
※3. Temperature rise current: The DC current at which the temperature rise is $\Delta t = 40^\circ\text{C}$. ($T_a = 20^\circ\text{C}$)

SMD Power Inductor CDRH8D28

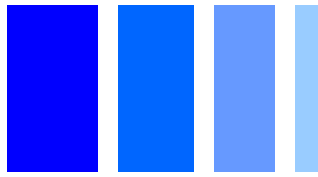


Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) — ΔT

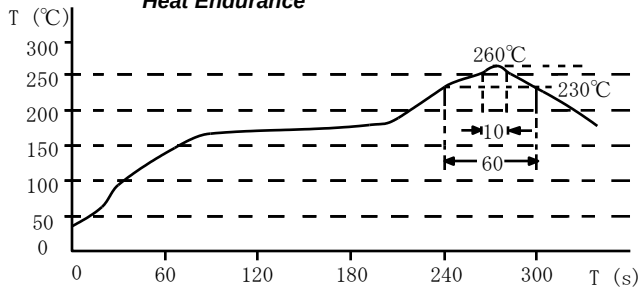


SMD Power Inductor CDRH8D28

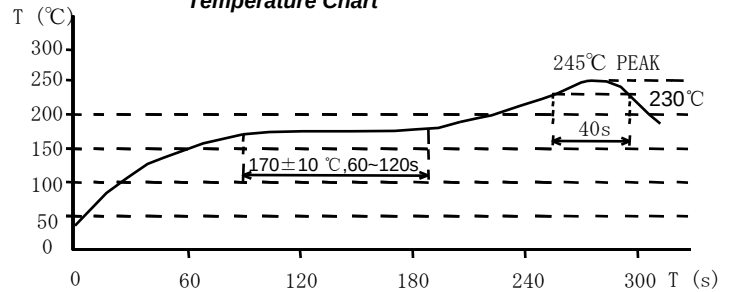


Solder Reflow Condition

Heat Endurance



Temperature Chart



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