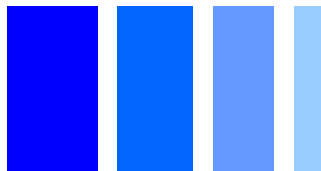


SMD Power Inductor CD54



Electrical Characteristics

Part Name	Stamp	Inductance (μ H) [within] ※1	D.C.R (Ω) [Max.] (at 20°C)	Rated Current (A) ※2
CD54NP-100MC	100	$10 \pm 20\%$	0.10	1.44
CD54NP-120MC	120	$12 \pm 20\%$	0.12	1.40
CD54NP-150MC	150	$15 \pm 20\%$	0.14	1.30
CD54NP-180MC	180	$18 \pm 20\%$	0.15	1.23
CD54NP-220MC	220	$22 \pm 20\%$	0.18	1.11
CD54NP-270MC	270	$27 \pm 20\%$	0.20	0.97
CD54NP-330LC	330	$33 \pm 15\%$	0.23	0.88
CD54NP-390LC	390	$39 \pm 15\%$	0.32	0.80
CD54NP-470LC	470	$47 \pm 15\%$	0.37	0.72
CD54NP-560KC	560	$56 \pm 10\%$	0.42	0.68
CD54NP-680KC	680	$68 \pm 10\%$	0.46	0.61
CD54NP-820KC	820	$82 \pm 10\%$	0.60	0.58
CD54NP-101KC	101	$100 \pm 10\%$	0.70	0.52
CD54NP-121KC	121	$120 \pm 10\%$	0.93	0.48
CD54NP-151KC	151	$150 \pm 10\%$	1.10	0.40
CD54NP-181KC	181	$180 \pm 10\%$	1.38	0.38
CD54NP-221KC	221	$220 \pm 10\%$	1.57	0.35

※1: Inductance measuring frequency: 10μ H $\sim$ 82μ H , at 2.52MHz.
 100μ H $\sim$ 220μ H , at 1 kHz.

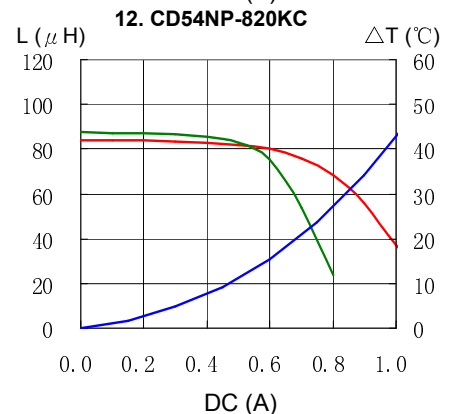
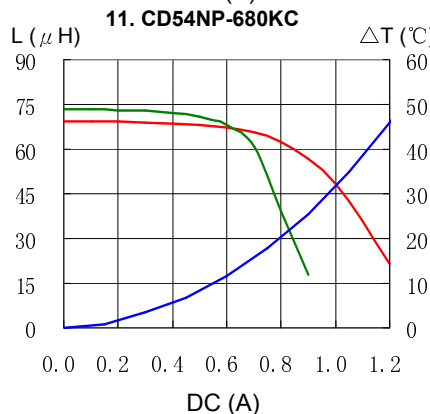
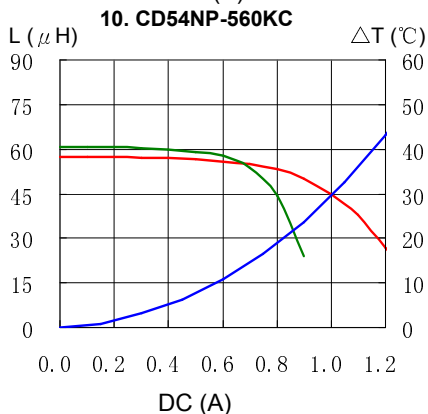
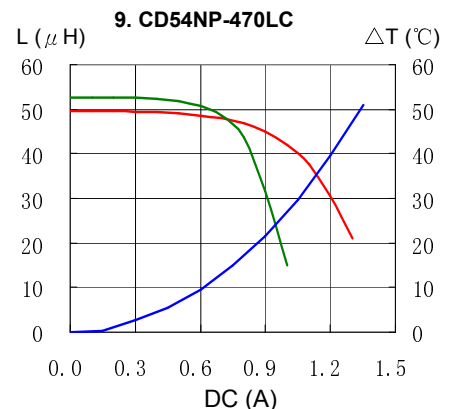
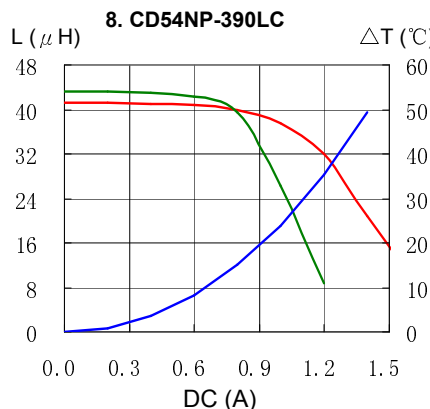
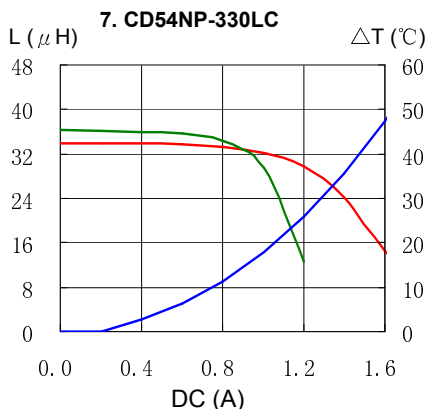
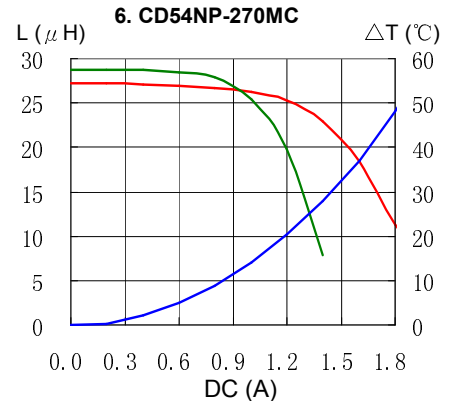
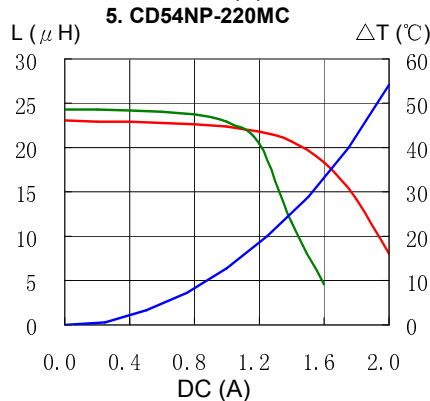
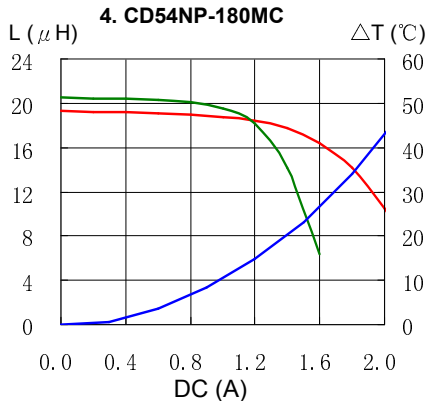
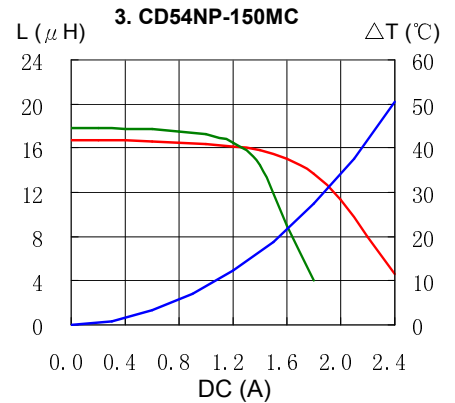
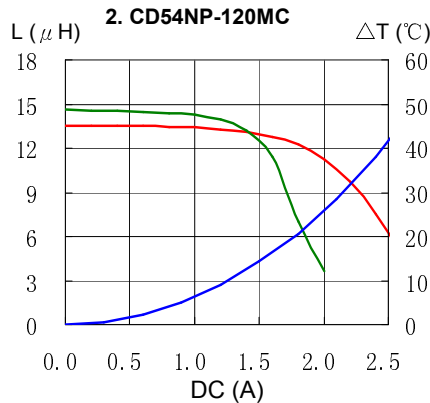
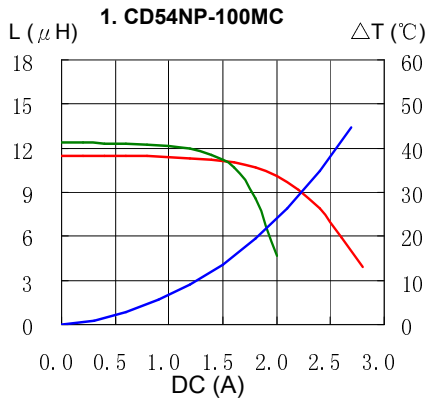
※2: Rated current: The DC current at which the inductance decreases to 90 % of it's initial value or when $\Delta t=40^\circ\text{C}$, whichever is lower ($T_a=20^\circ\text{C}$).

SMD Power Inductor CD54



Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) — ΔT

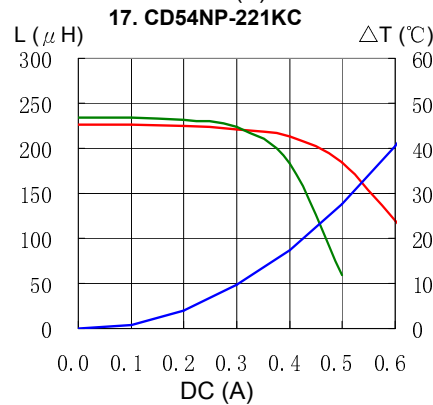
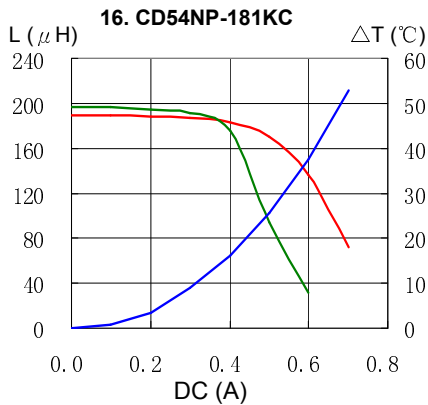
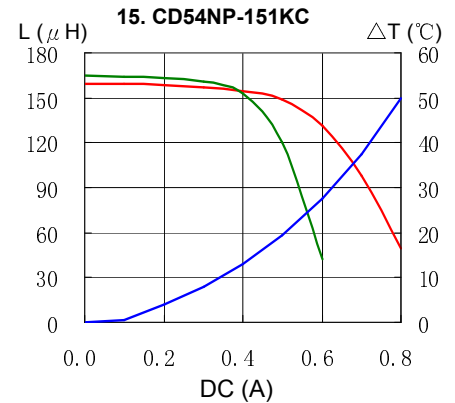
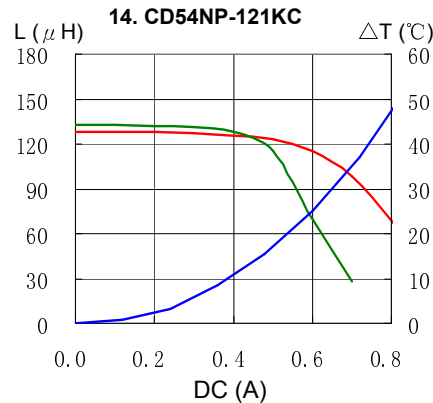
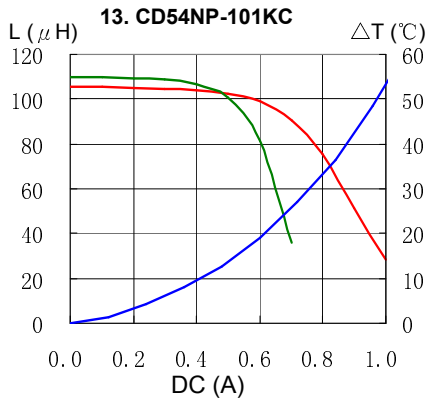


SMD Power Inductor CD54

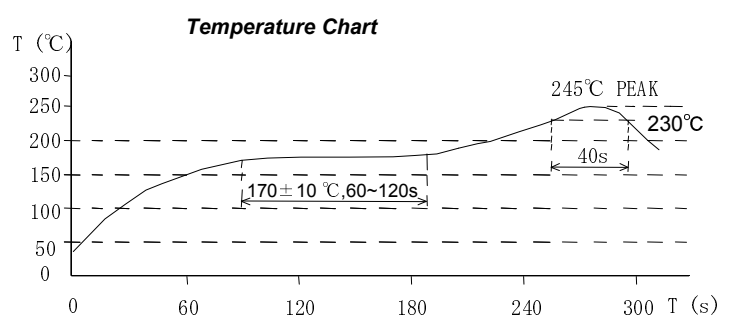
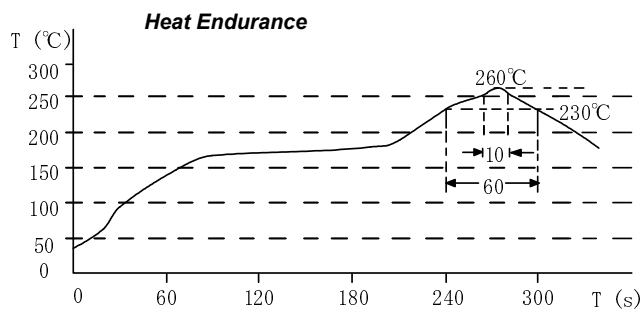


Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) — ΔT



Solder Reflow Condition



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