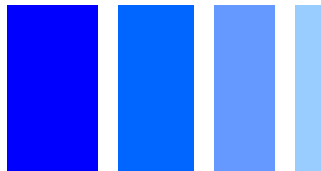


SMD Power Inductor CD43



Electrical Characteristics

Part Name	Stamp	Inductance (μH) [Within]※ 1	D.C.R. (m Ω) [Max.] (20℃)	Rated Current (A) ※2
CD43NP-1R0MC	1R0	$1.0 \pm 20\%$	48.7	2.70
CD43NP-1R4MC	1R4	$1.4 \pm 20\%$	56.2	2.50
CD43NP-1R8MC	1R8	$1.8 \pm 20\%$	63.7	2.33
CD43NP-2R2MC	2R2	$2.2 \pm 20\%$	71.2	2.25
CD43NP-2R7MC	2R7	$2.7 \pm 20\%$	78.7	2.16
CD43NP-3R3MC	3R3	$3.3 \pm 20\%$	86.2	2.00
CD43NP-3R9MC	3R9	$3.9 \pm 20\%$	93.7	1.84
CD43NP-4R7MC	4R7	$4.7 \pm 20\%$	108.7	1.62
CD43NP-5R6MC	5R6	$5.6 \pm 20\%$	125.7	1.48
CD43NP-6R8MC	6R8	$6.8 \pm 20\%$	131.2	1.43
CD43NP-8R2MC	8R2	$8.2 \pm 20\%$	146.2	1.37
CD43NP-100MC	100	$10 \pm 20\%$	182	1.04
CD43NP-120MC	120	$12 \pm 20\%$	210	0.97
CD43NP-150MC	150	$15 \pm 20\%$	235	0.85
CD43NP-180MC	180	$18 \pm 20\%$	338	0.74
CD43NP-220MC	220	$22 \pm 20\%$	378	0.68
CD43NP-270MC	270	$27 \pm 20\%$	522	0.62
CD43NP-330KC	330	$33 \pm 10\%$	540	0.56
CD43NP-390KC	390	$39 \pm 10\%$	587	0.52
CD43NP-470KC	470	$47 \pm 10\%$	844	0.44
CD43NP-560KC	560	$56 \pm 10\%$	937	0.42
CD43NP-680KC	680	$68 \pm 10\%$	1117	0.37

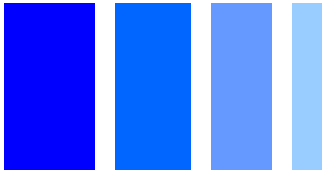
※1: Inductance measuring frequency: 1.0 μH ~ 8.2 μH ; at 7.96 MHz.

10 μH ~ 68 μH ; at 2.52 MHz.

※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 ($T_a = 20^\circ\text{C}$).

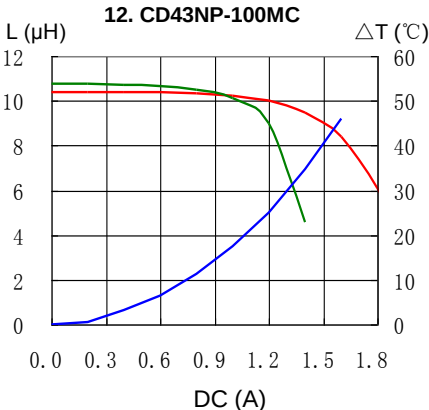
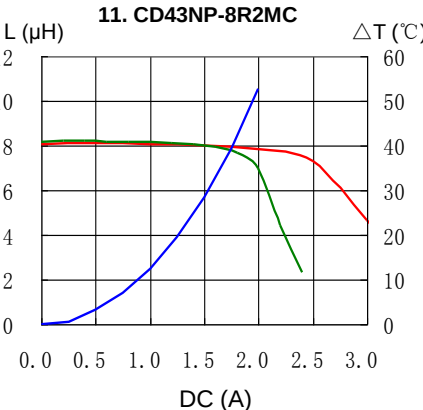
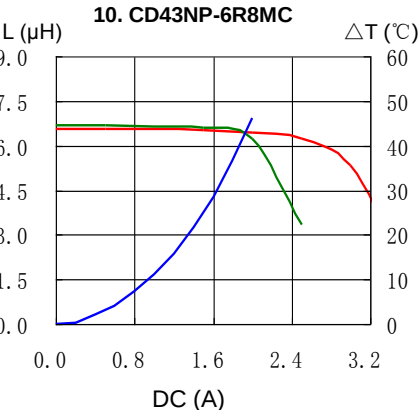
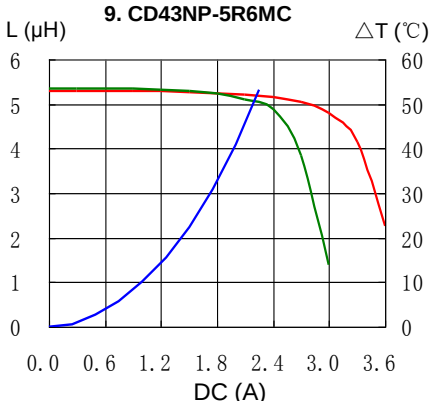
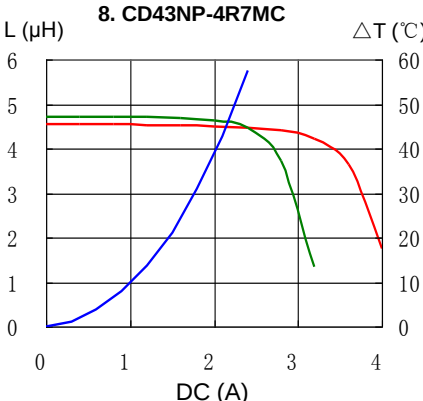
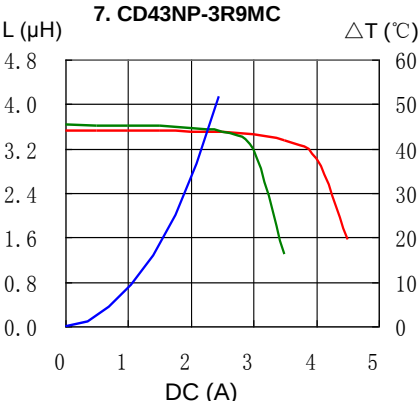
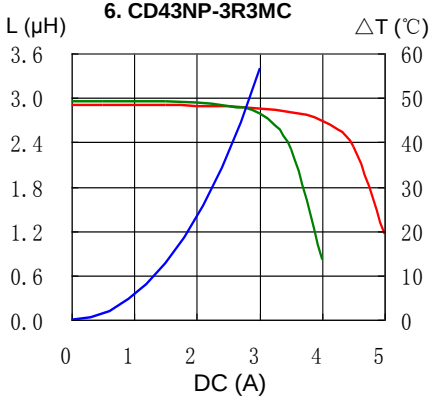
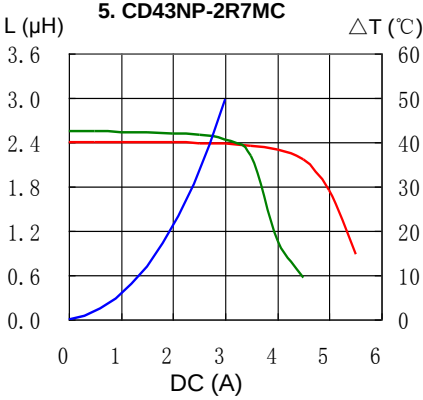
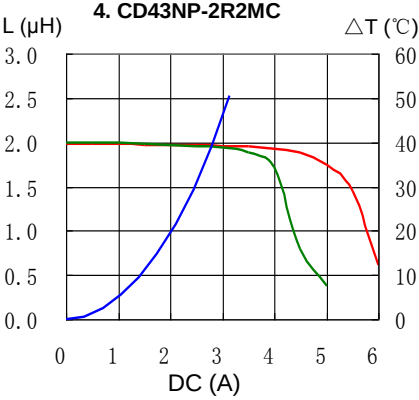
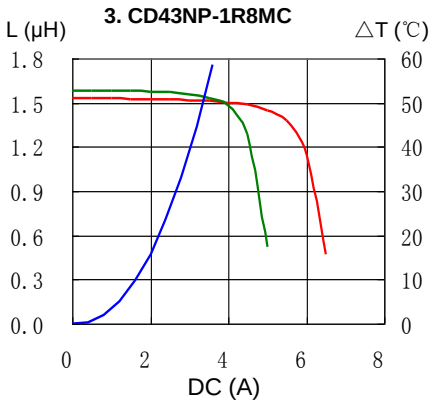
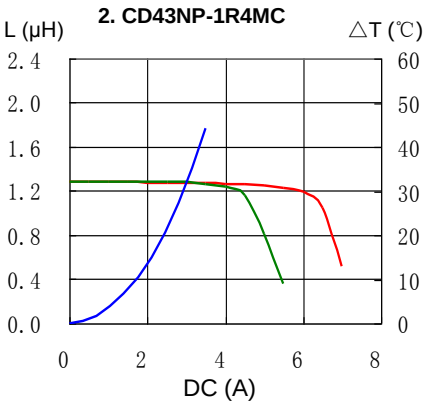
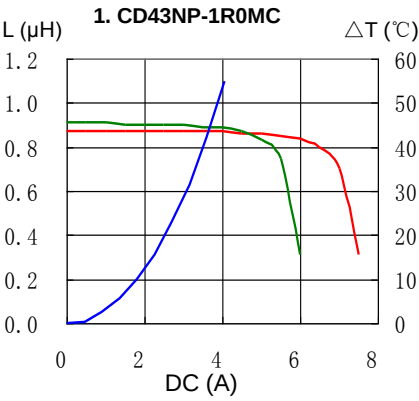
SMD Power Inductor

CD43



Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) — ΔT

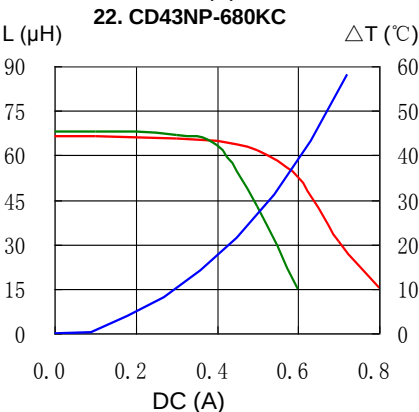
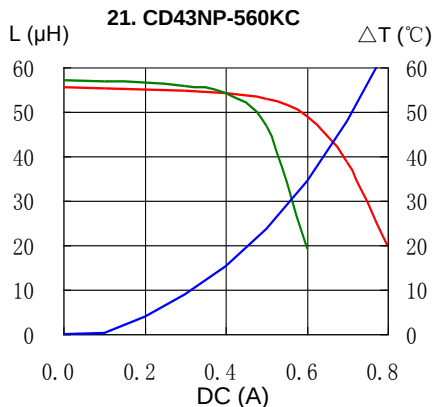
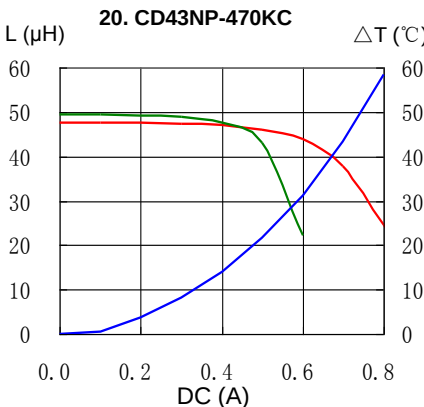
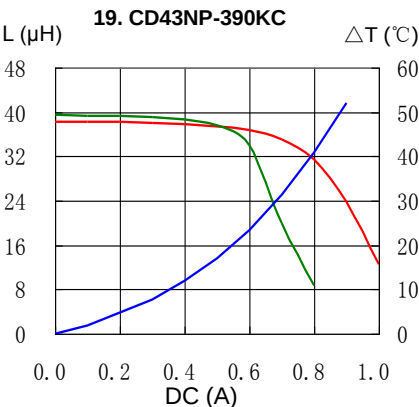
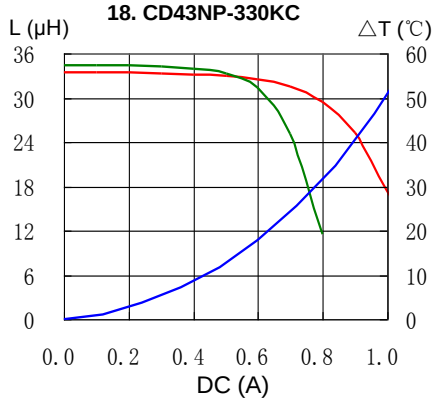
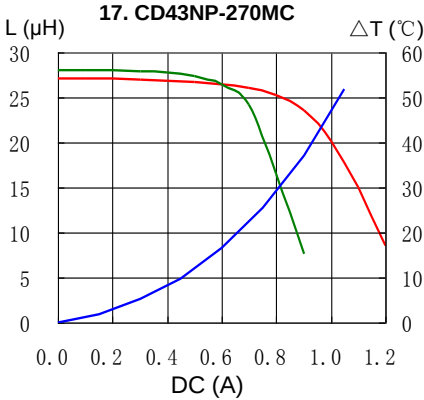
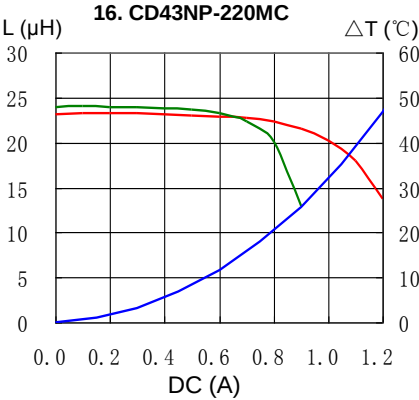
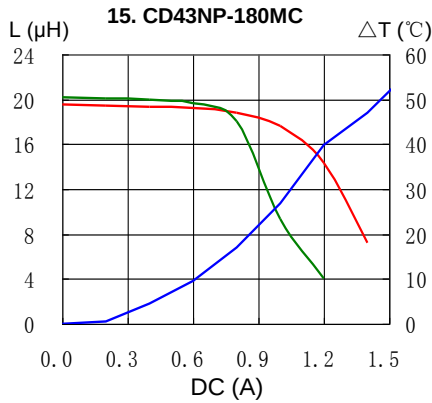
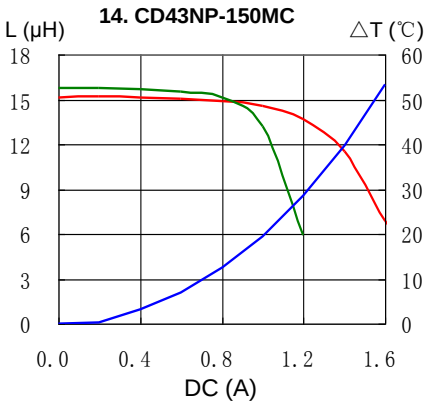
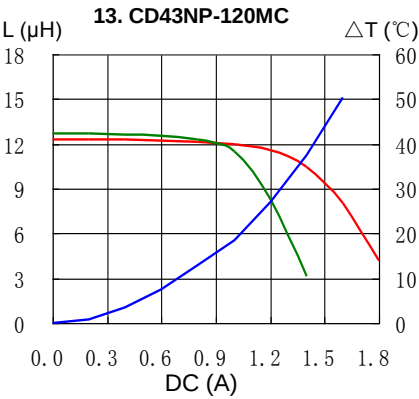


SMD Power Inductor CD43



Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) — ΔT

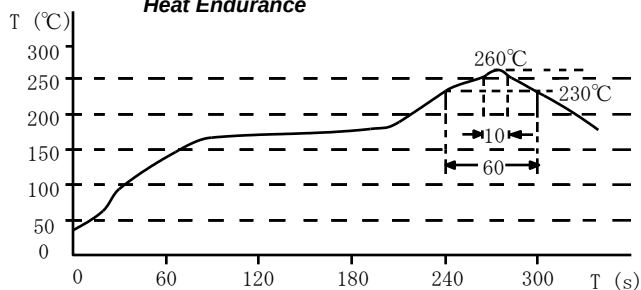


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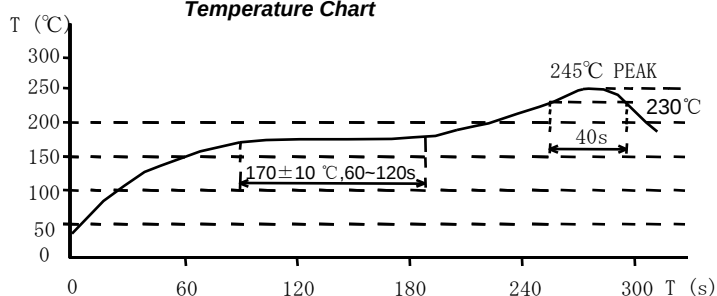


Solder Reflow Condition

Heat Endurance



Temperature Chart



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