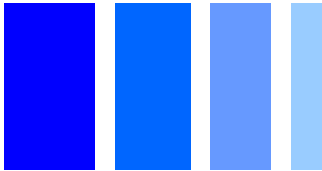


SMD Power Inductor
CDRH104R



Electrical Characteristics

PART NO.	STAMP	INDUCTANCE [WITHIN] ※1	D. C. R. (mΩ) [MAX.] (TYP.) (at 20°C)	SATURATION CURRENT (A) MAX. (TYP.) ※2	TEMPERATURE RISE CURRENT (A) ※3
CDRH104RNP-1R5NC	1R5	1.5 μH±30%	8.1 (6.0)	10.0(12.5)	8.50
CDRH104RNP-2R5NC	2R5	2.5 μH±30%	10.5(7.8)	7.90(9.90)	7.70
CDRH104RNP-3R8NC	3R8	3.8 μH±30%	13.0(9.6)	7.00(8.80)	7.40
CDRH104RNP-5R2NC	5R2	5.2 μH±30%	22(16)	5.60(7.00)	6.00
CDRH104RNP-7R0NC	7R0	7.0 μH±30%	27(20)	5.25(6.60)	5.30
CDRH104RNP-100NC	100	10 μH±30%	35(26)	4.48(5.60)	4.50
CDRH104RNP-120NC	120	12 μH±30%	46(34)	4.00(5.00)	3.80
CDRH104RNP-150NC	150	15 μH±30%	50(37)	3.50(4.40)	3.70
CDRH104RNP-180NC	180	18 μH±30%	69(51)	3.25(4.10)	3.10
CDRH104RNP-220NC	220	22 μH±30%	73(54)	2.85(3.60)	2.80
CDRH104RNP-270NC	270	27 μH±30%	88(65)	2.60(3.28)	2.70
CDRH104RNP-330NC	330	33 μH±30%	93(69)	2.30(2.90)	2.60
CDRH104RNP-390NC	390	39 μH±30%	127(94)	2.10(2.62)	2.40
CDRH104RNP-470NC	470	47 μH±30%	128(95)	1.95(2.44)	2.30
CDRH104RNP-560NC	560	56 μH±30%	188(139)	1.74(2.18)	1.75
CDRH104RNP-680NC	680	68 μH±30%	213(158)	1.66(2.08)	1.68
CDRH104RNP-820NC	820	82 μH±30%	283(218)	1.50(1.88)	1.48
CDRH104RNP-101NC	101	100 μH±30%	304(225)	1.33(1.66)	1.42
CDRH104RNP-121NC	121	120 μH±30%	375(278)	1.25(1.56)	1.20
CDRH104RNP-151NC	151	150 μH±30%	506(375)	1.12(1.40)	1.15
CDRH104RNP-181NC	181	180 μH±30%	568(421)	0.99(1.24)	1.00
CDRH104RNP-221NC	221	220 μH±30%	756(560)	0.95(1.19)	0.88
CDRH104RNP-271NC	271	270 μH±30%	853(632)	0.85(1.06)	0.68
CDRH104RNP-331NC	331	330 μH±30%	1090(810)	0.74(0.92)	0.66

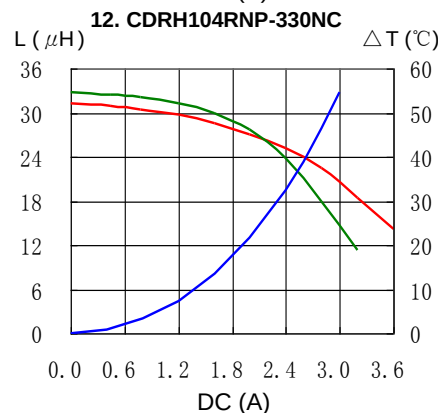
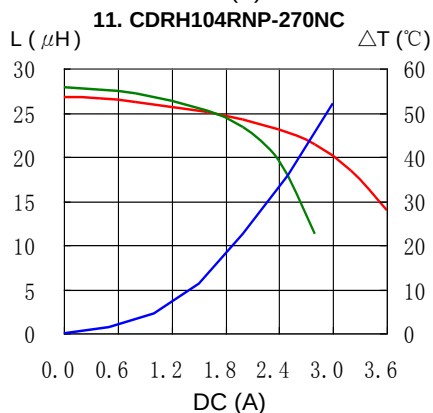
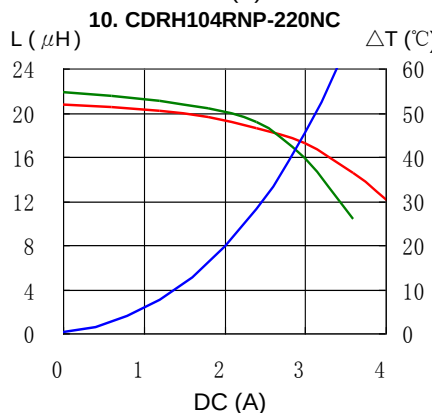
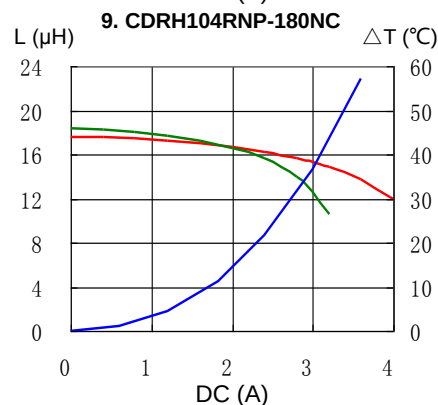
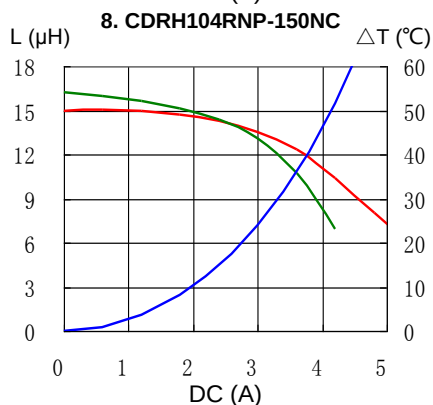
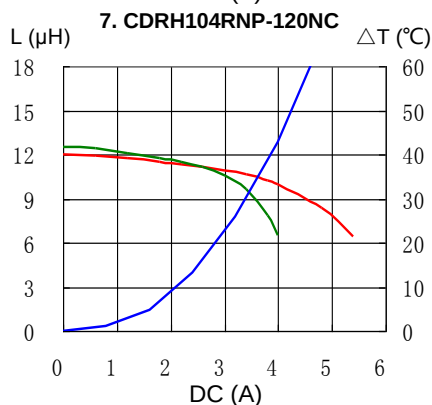
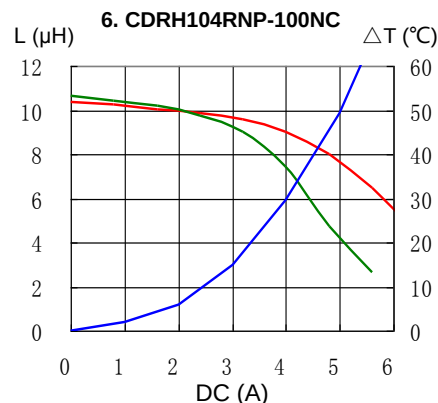
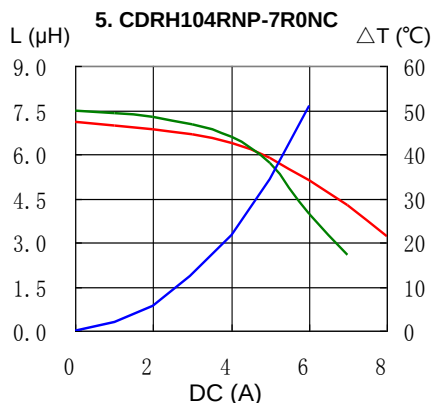
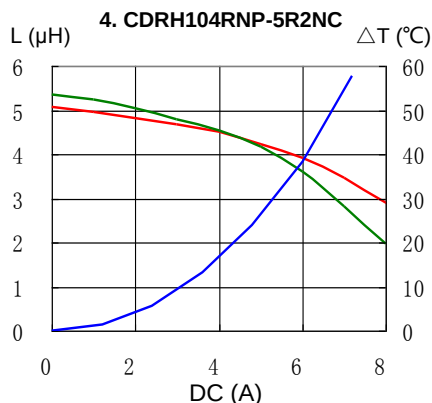
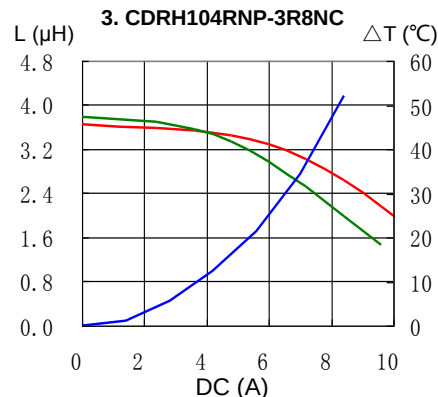
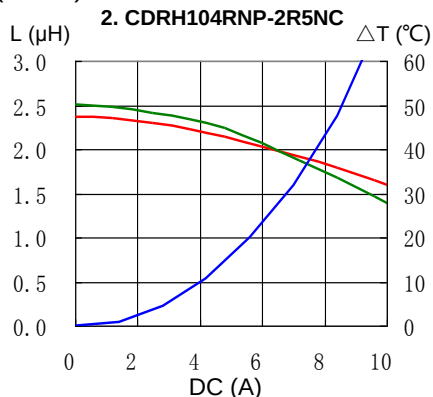
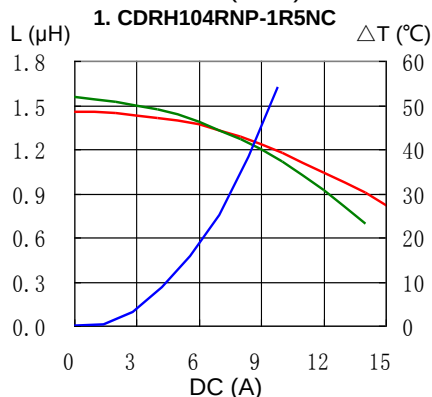
※1 Measuring frequency at 100kHz
※2 Saturation current: this indicates the value of D.C. current when the inductance becomes 35% lower than its initial value. (Ta=20°C)
※3 Temperature rise current: the actual value of D.C. current when the temperature of coil becomes ΔT=40°C (Ta=20°C).

SMD Power Inductor CDRH104R



Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) — ΔT



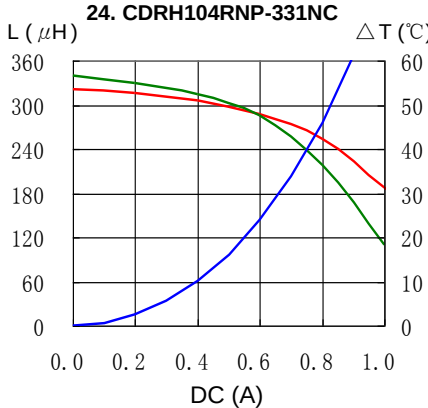
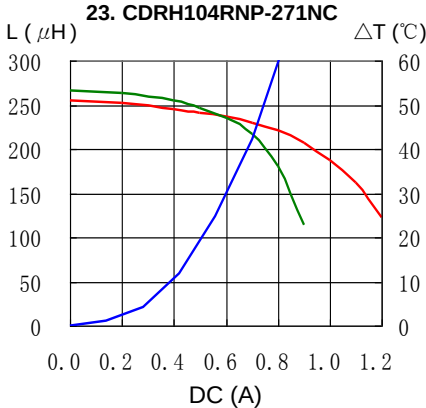
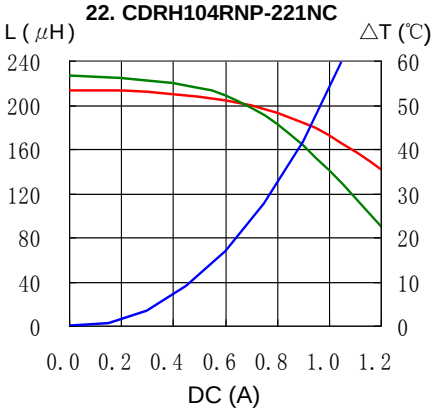
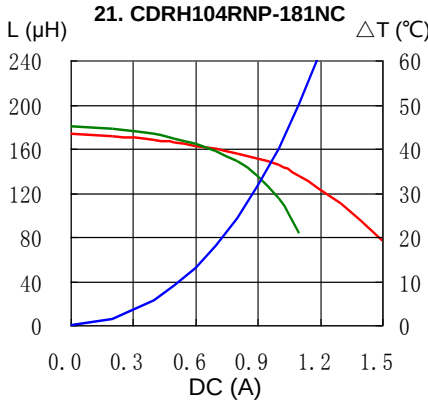
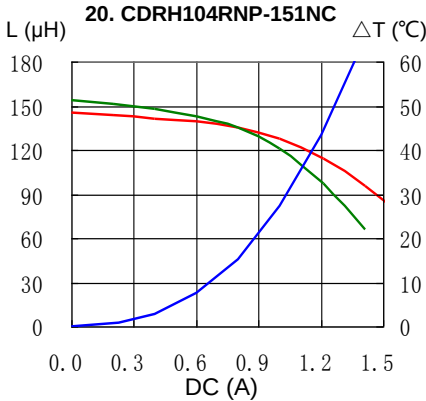
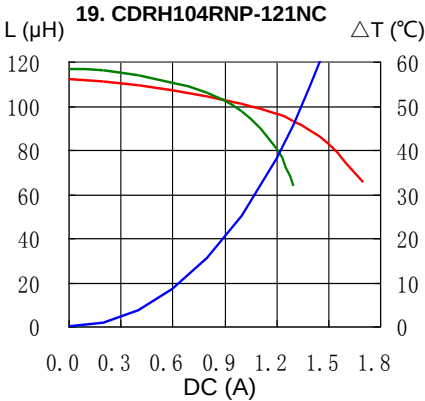
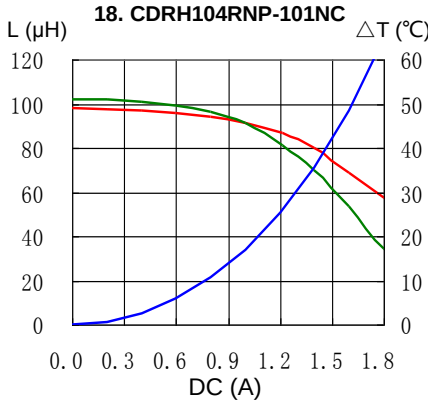
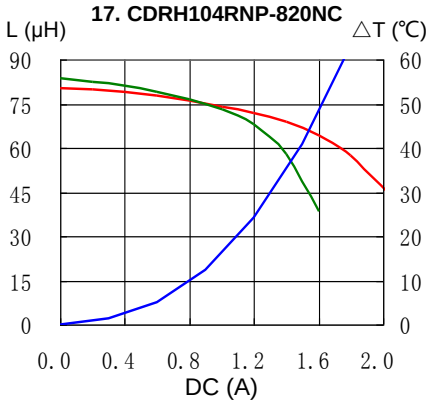
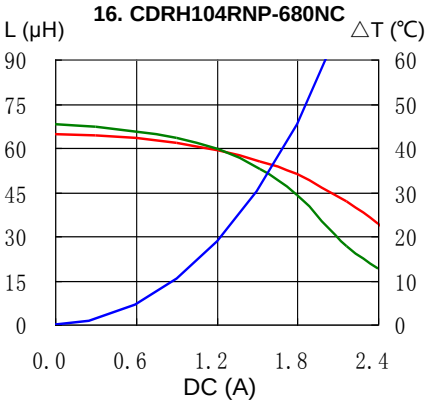
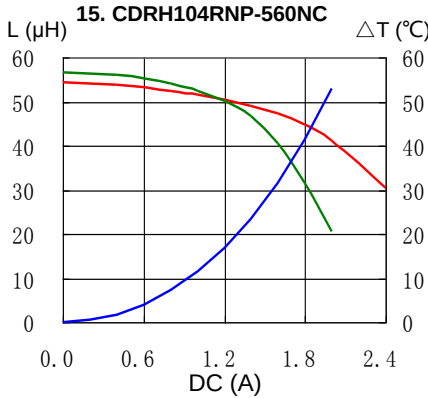
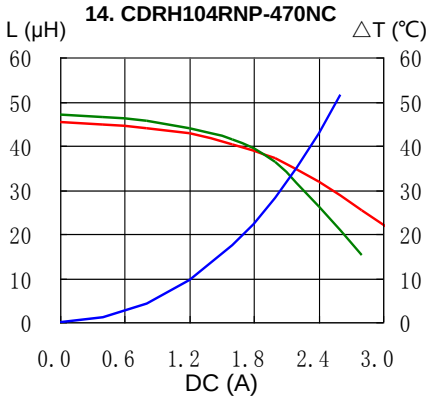
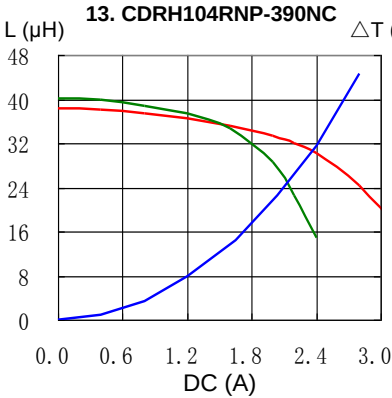
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CDRH104R

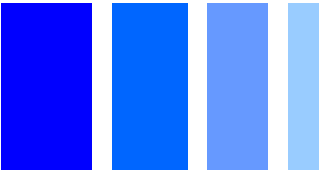


Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) — ΔT

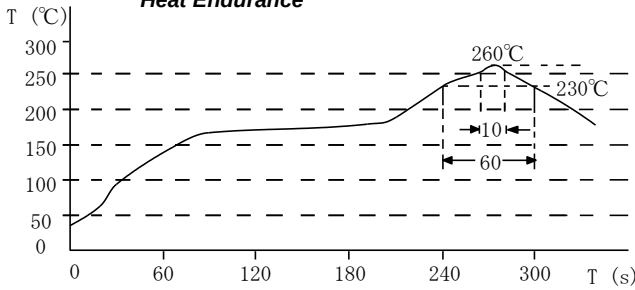


SMD Power Inductor CDRH104R

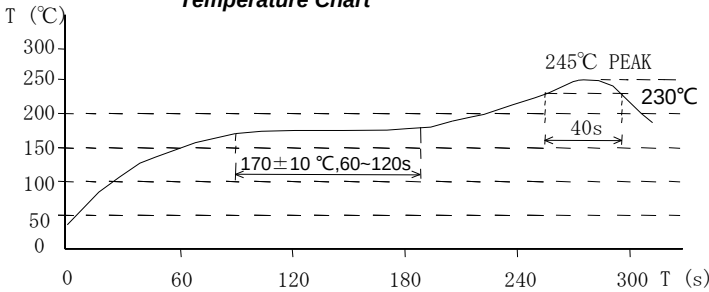


Solder Reflow Condition

Heat Endurance



Temperature Chart



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