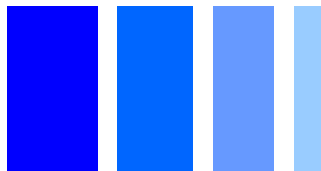


SMD Power Inductor CDRH5D18



Electrical Characteristics

| PART NO. | STAMP | INDUCTANCE (μ H) [WITHIN] ※1 | D.C.R. (Ω) [MAX.] (TYP.) (at 20°C)※2 | RATED CURRENT (A) ※2 |
|------------------|-------|---|---|----------------------------|
| CDRH5D18NP-2R2NC | 2R2 | 2.2 μ H \pm 30% | 37m (27m) | 2.4 |
| CDRH5D18NP-3R3NC | 3R3 | 3.3 μ H \pm 30% | 47m (35m) | 2.0 |
| CDRH5D18NP-4R1NC | 4R1 | 4.1 μ H \pm 30% | 57m (42m) | 1.95 |
| CDRH5D18NP-5R4NC | 5R4 | 5.4 μ H \pm 30% | 76m (56m) | 1.60 |
| CDRH5D18NP-6R2NC | 6R2 | 6.2 μ H \pm 30% | 96m (71m) | 1.40 |
| CDRH5D18NP-8R9NC | 8R9 | 8.9 μ H \pm 30% | 116m (86m) | 1.25 |
| CDRH5D18NP-100NC | 100 | 10 μ H \pm 30% | 124m (92m) | 1.20 |
| CDRH5D18NP-120NC | 120 | 12 μ H \pm 30% | 153m (113m) | 1.10 |
| CDRH5D18NP-150NC | 150 | 15 μ H \pm 30% | 196m (145m) | 0.97 |
| CDRH5D18NP-180NC | 180 | 18 μ H \pm 30% | 210m (155m) | 0.85 |
| CDRH5D18NP-220NC | 220 | 22 μ H \pm 30% | 290m (215m) | 0.80 |
| CDRH5D18NP-270NC | 270 | 27 μ H \pm 30% | 330m (245m) | 0.75 |
| CDRH5D18NP-330NC | 330 | 33 μ H \pm 30% | 385m (285m) | 0.65 |
| CDRH5D18NP-390NC | 390 | 39 μ H \pm 30% | 520m (385m) | 0.57 |
| CDRH5D18NP-470NC | 470 | 47 μ H \pm 30% | 595m (440m) | 0.54 |
| CDRH5D18NP-560NC | 560 | 56 μ H \pm 30% | 665m (493m) | 0.50 |
| CDRH5D18NP-680NC | 680 | 68 μ H \pm 30% | 840m (622m) | 0.43 |
| CDRH5D18NP-820NC | 820 | 82 μ H \pm 30% | 978m (725m) | 0.41 |
| CDRH5D18NP-101NC | 101 | 100 μ H \pm 30% | 1.2 (895m) | 0.36 |

※1. Inductance measuring condition: at 10kHz.

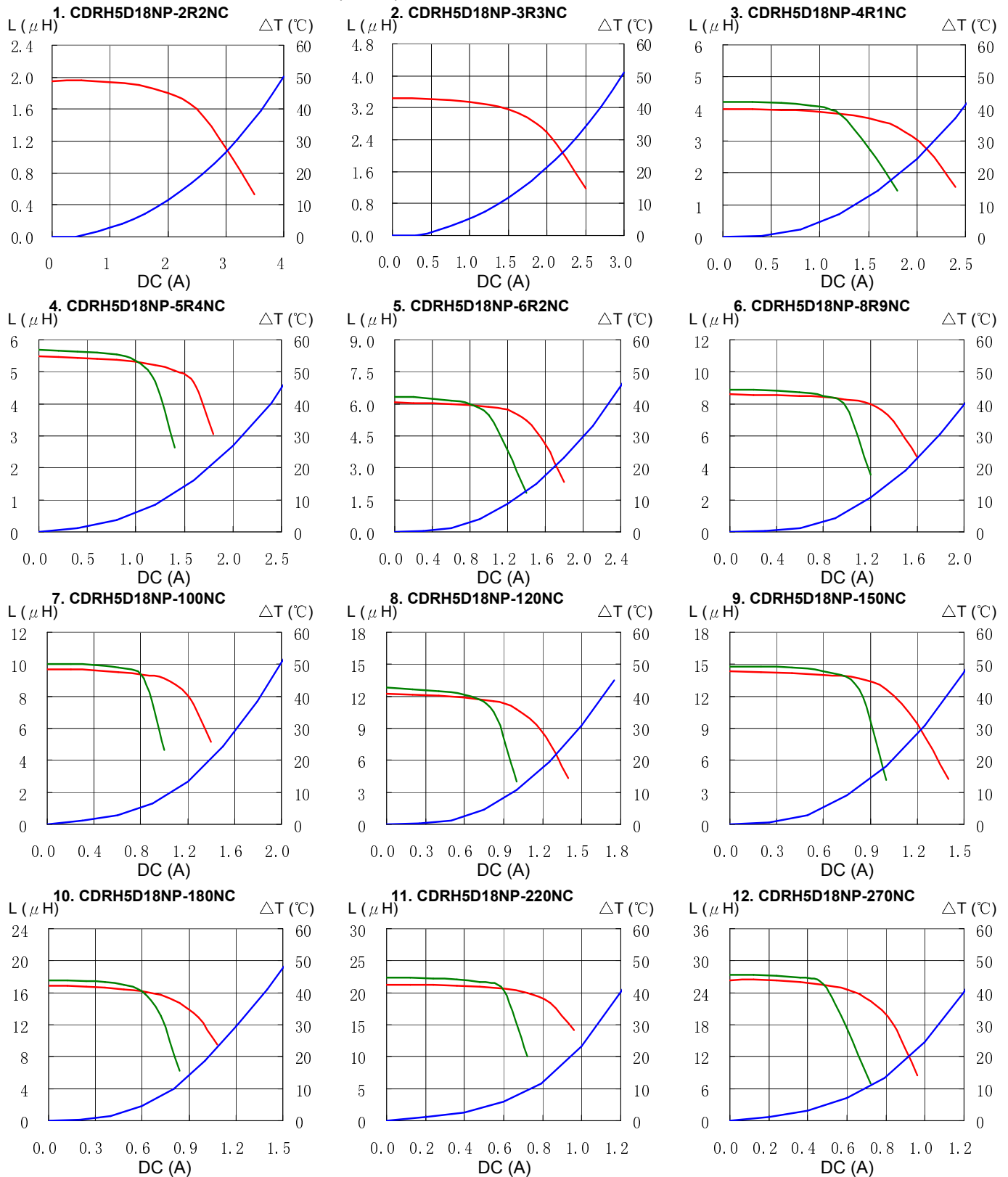
※2. Rated current: The DC current at which the inductance decreases to 65% of its nominal value or when $\Delta t=30^{\circ}\text{C}$, whichever is lower ($T_a=20^{\circ}\text{C}$).

SMD Power Inductor CDRH5D18



Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) — ΔT

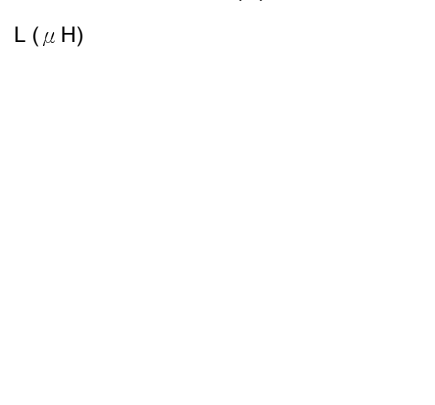
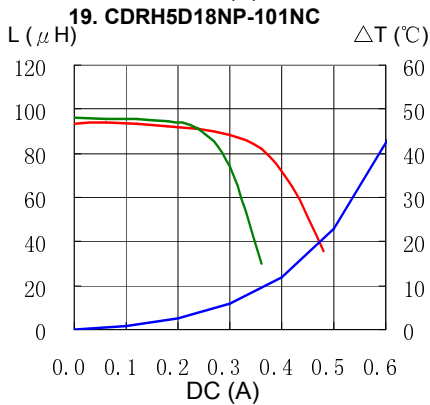
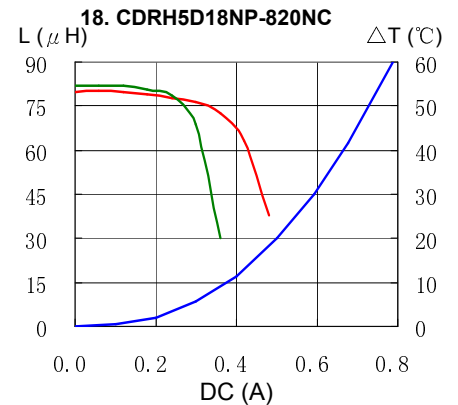
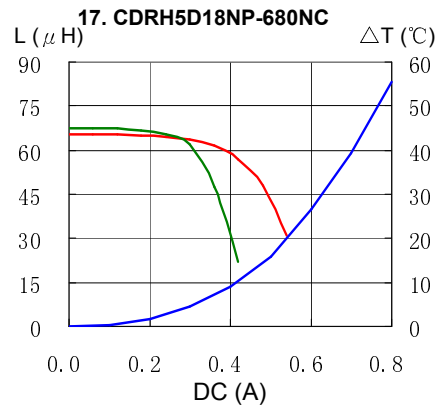
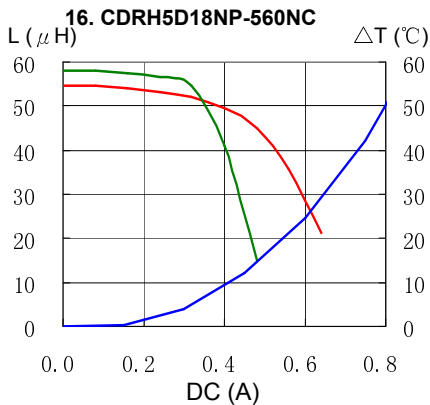
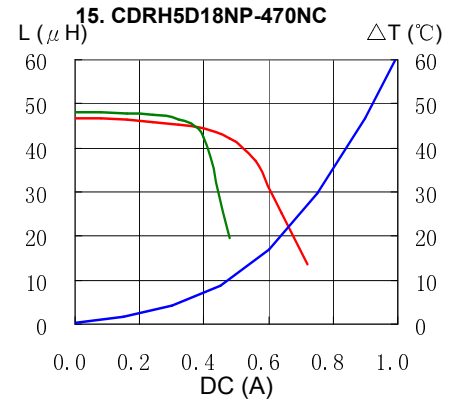
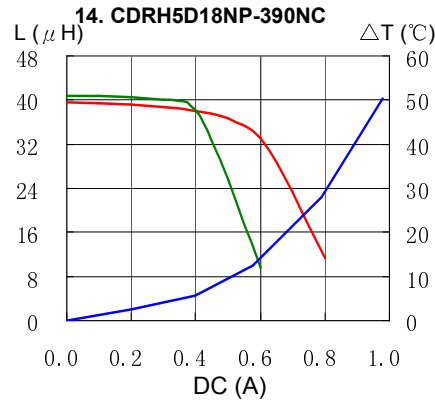
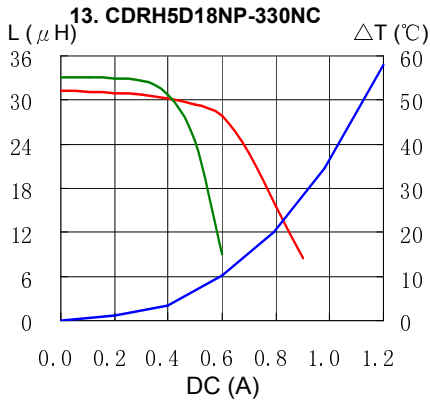


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Saturation Current & Temperature Rise Graph

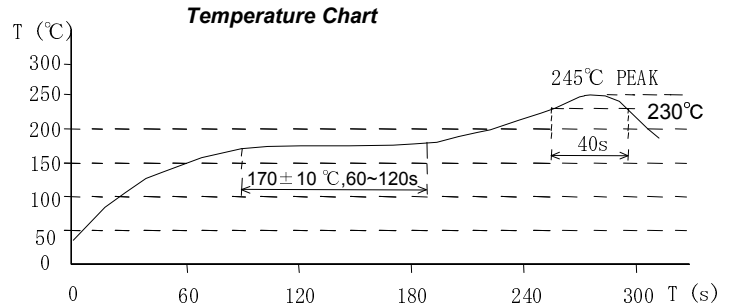
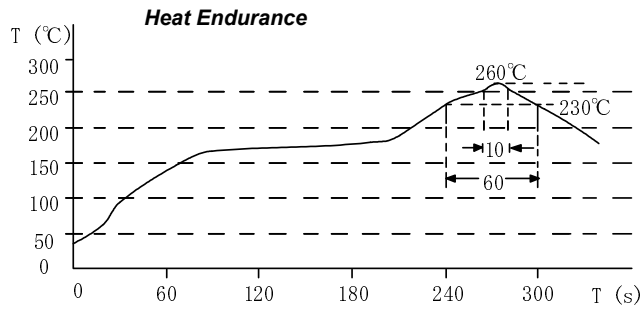
— L (20°C) — L (105°C) — ΔT



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Solder Reflow Condition



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