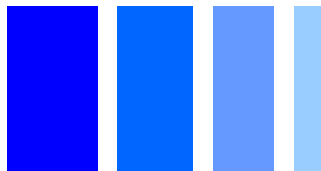


# SMD Power Inductor CDRH5D18



## Electrical Characteristics

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

※1. Inductance measuring condition: at 10kHz.

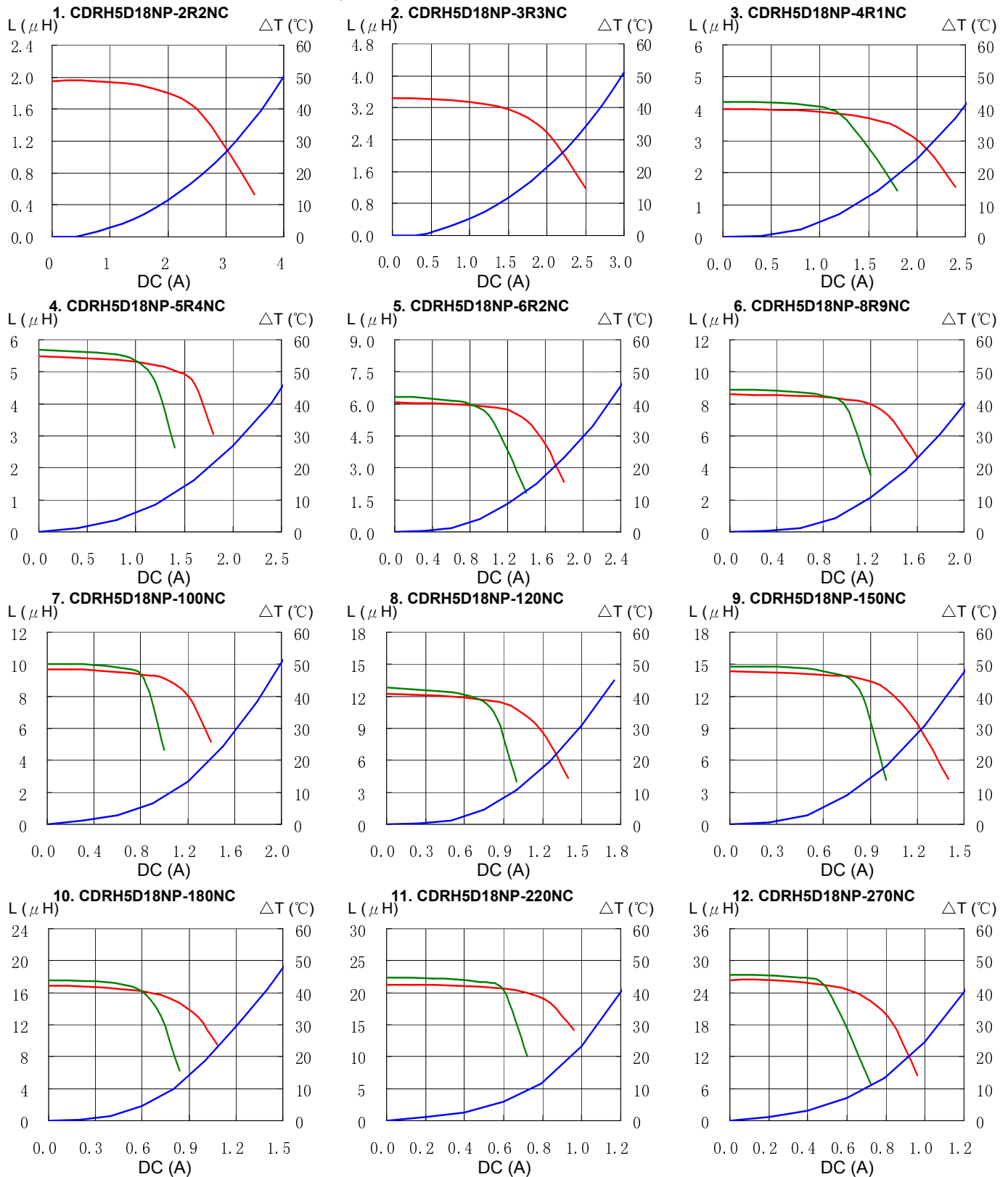
※2. Rated current: The DC current at which the inductance decreases to 65% of it's nominal value or when  $\Delta t=30^{\circ}\text{C}$ , whichever is lower ( $T_a=20^{\circ}\text{C}$ ).

# SMD Power Inductor CDRH5D18



## Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) —  $\Delta T$



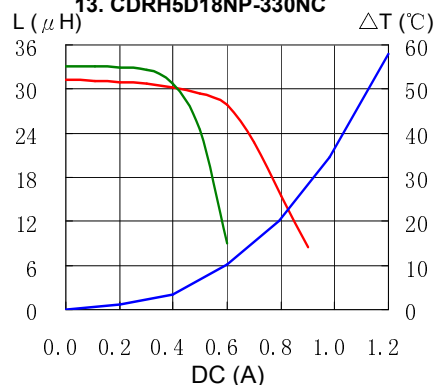
# SMD Power Inductor CDRH5D18



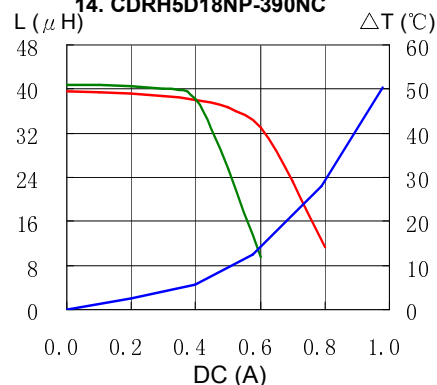
## Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) —  $\Delta T$

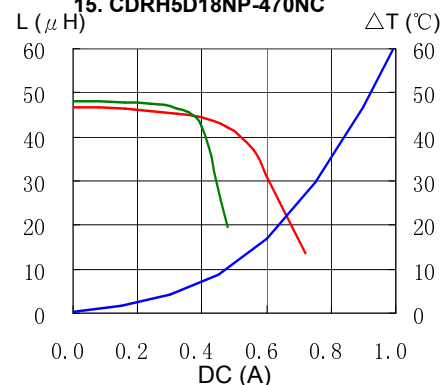
13. CDRH5D18NP-330NC



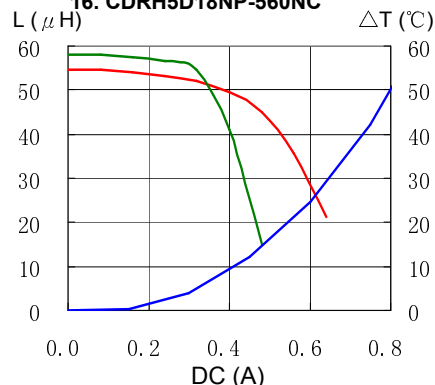
14. CDRH5D18NP-390NC



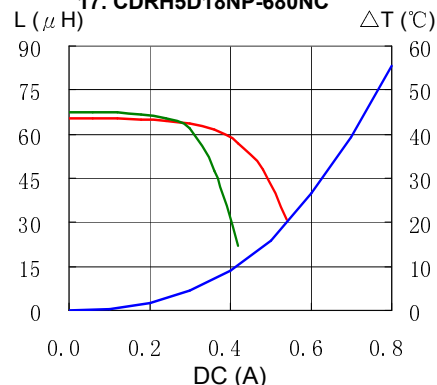
15. CDRH5D18NP-470NC



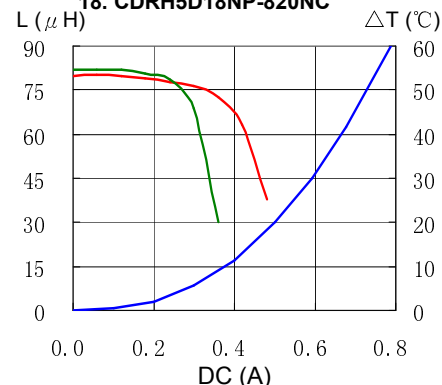
16. CDRH5D18NP-560NC



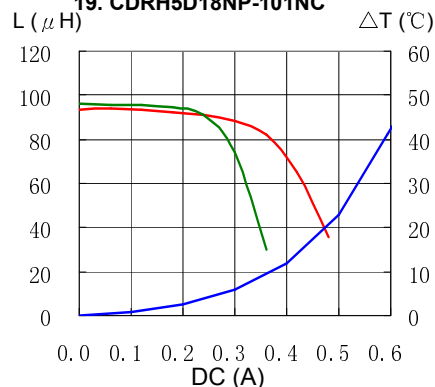
17. CDRH5D18NP-680NC



18. CDRH5D18NP-820NC



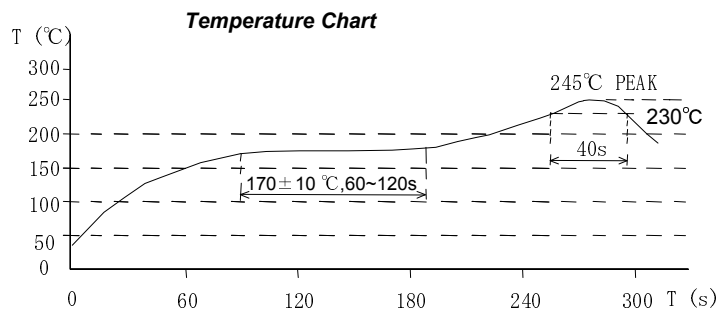
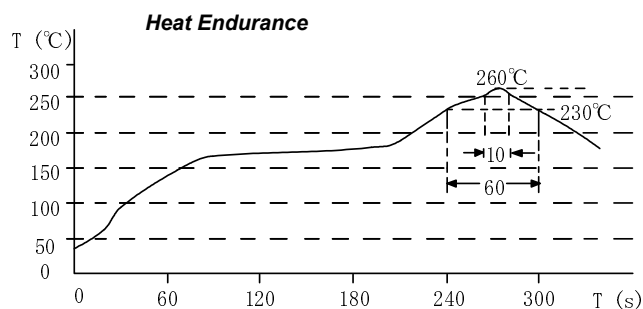
19. CDRH5D18NP-101NC



# SMD Power Inductor CDRH5D18



## Solder Reflow Condition



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