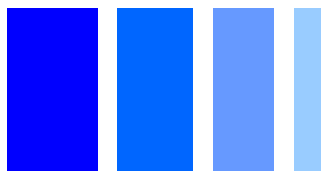


# SMD Power Inductor CDRH5D28R



## Electrical Characteristics

| Part Name         | Stamp | Inductance<br>( $\mu$ H)<br>[ within ] ※1 | D.C.R. (m $\Omega$ )<br>[Max.] (Typ.)<br>(at 20°C) | Rated Current<br>(A) ※2 |
|-------------------|-------|-------------------------------------------|----------------------------------------------------|-------------------------|
| CDRH5D28RNP-2R5NC | 2R5   | 2.5 $\pm$ 30%                             | 17.6(13)                                           | 2.60                    |
| CDRH5D28RNP-3R3NC | 3R3   | 3.3 $\pm$ 30%                             | 20.3(15)                                           | 2.30                    |
| CDRH5D28RNP-4R0NC | 4R0   | 4.0 $\pm$ 30%                             | 27.0(20)                                           | 2.10                    |
| CDRH5D28RNP-5R0NC | 5R0   | 5.0 $\pm$ 30%                             | 31.1(23)                                           | 1.85                    |
| CDRH5D28RNP-6R0NC | 6R0   | 6.0 $\pm$ 30%                             | 41.9(31)                                           | 1.70                    |
| CDRH5D28RNP-8R0NC | 8R0   | 8.0 $\pm$ 30%                             | 49.9(37)                                           | 1.50                    |
| CDRH5D28RNP-100NC | 100   | 10 $\pm$ 30%                              | 54.0(40)                                           | 1.30                    |
| CDRH5D28RNP-120NC | 120   | 12 $\pm$ 30%                              | 71.6(53)                                           | 1.20                    |
| CDRH5D28RNP-150NC | 150   | 15 $\pm$ 30%                              | 82.4(61)                                           | 1.10                    |
| CDRH5D28RNP-180NC | 180   | 18 $\pm$ 30%                              | 101.5(75)                                          | 1.05                    |
| CDRH5D28RNP-220NC | 220   | 22 $\pm$ 30%                              | 119.0(88)                                          | 0.95                    |
| CDRH5D28RNP-270NC | 270   | 27 $\pm$ 30%                              | 146.0(108)                                         | 0.85                    |
| CDRH5D28RNP-330NC | 330   | 33 $\pm$ 30%                              | 182.5(135)                                         | 0.76                    |
| CDRH5D28RNP-390NC | 390   | 39 $\pm$ 30%                              | 209.5(155)                                         | 0.68                    |
| CDRH5D28RNP-470NC | 470   | 47 $\pm$ 30%                              | 229.5(170)                                         | 0.60                    |
| CDRH5D28RNP-560NC | 560   | 56 $\pm$ 30%                              | 305.0(226)                                         | 0.55                    |
| CDRH5D28RNP-680NC | 680   | 68 $\pm$ 30%                              | 351.0(260)                                         | 0.48                    |
| CDRH5D28RNP-820NC | 820   | 82 $\pm$ 30%                              | 418.5(310)                                         | 0.45                    |
| CDRH5D28RNP-101NC | 101   | 100 $\pm$ 30%                             | 520.0(385)                                         | 0.40                    |

※1. Inductance measuring condition: at 100kHz.

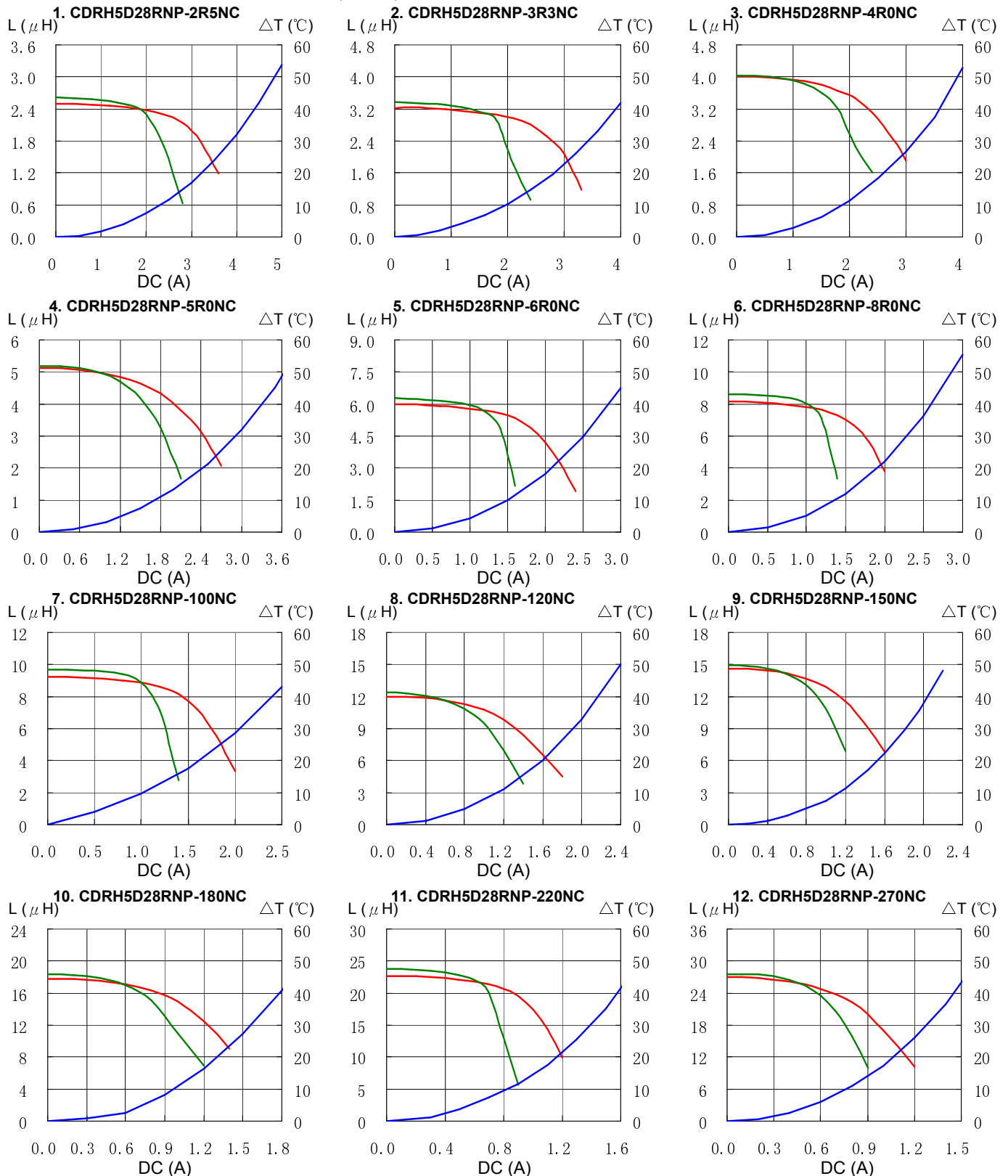
※2. Rated current: The DC current at which the inductance decreases to 65% of it's nominal value  
or when  $\Delta t=30^{\circ}\text{C}$ , whichever is lower ( $T_a=20^{\circ}\text{C}$ ).

# SMD Power Inductor CDRH5D28R



## Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) —  $\Delta T$

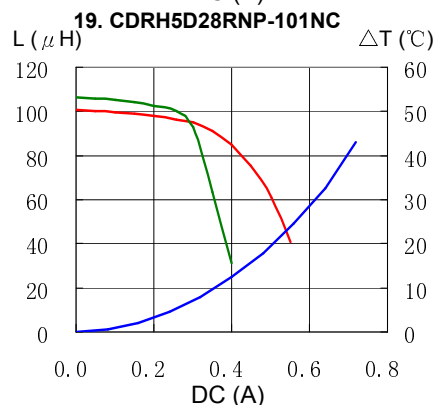
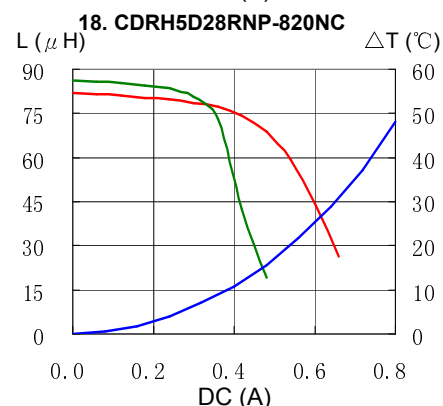
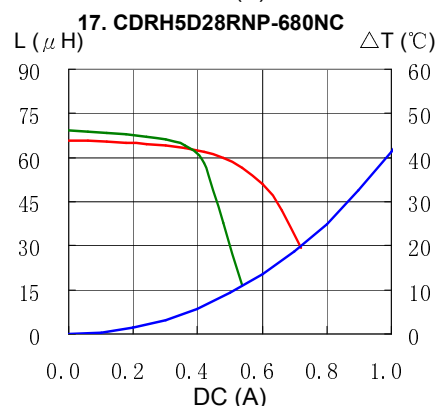
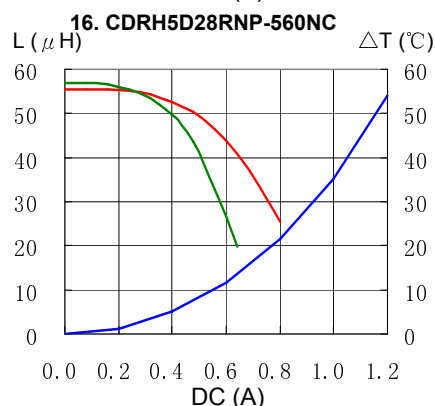
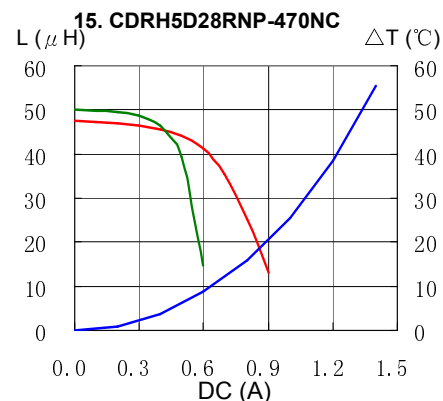
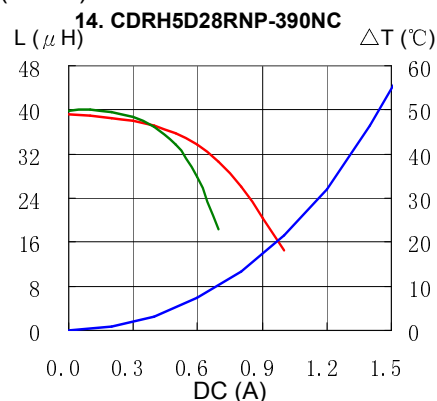
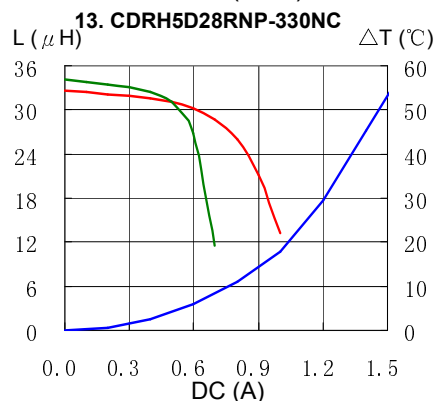


# SMD Power Inductor CDRH5D28R



## Saturation Current & Temperature Rise Graph

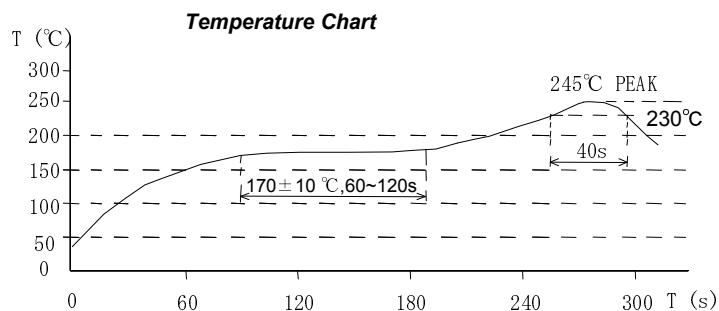
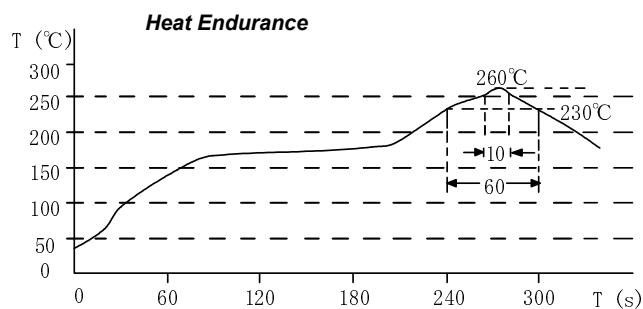
— L (20°C) — L (105°C) —  $\Delta T$



# SMD Power Inductor CDRH5D28R



## Solder Reflow Condition



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