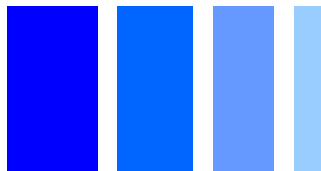


# SMD Power Inductor CDRH3D16



## 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 |
|------------------|-------|-------------------------------------------|--------------------------------------------------|-------------------------|
| CDRH3D16NP-R26NC | R     | 0.26 $\pm$ 35%                            | 27.5(21)                                         | 3.60                    |
| CDRH3D16NP-R47NC | S     | 0.47 $\pm$ 35%                            | 35( 27)                                          | 2.75                    |
| CDRH3D16NP-0R7NC | T     | 0.7 $\pm$ 35%                             | 43( 33)                                          | 2.25                    |
| CDRH3D16NP-1R1NC | U     | 1.1 $\pm$ 35%                             | 50( 38)                                          | 1.90                    |
| CDRH3D16NP-1R5NC | A     | 1.5 $\pm$ 30%                             | 52( 40)                                          | 1.55                    |
| CDRH3D16NP-2R2NC | C     | 2.2 $\pm$ 30%                             | 72( 55)                                          | 1.20                    |
| CDRH3D16NP-3R3NC | E     | 3.3 $\pm$ 30%                             | 85( 65)                                          | 1.10                    |
| CDRH3D16NP-4R7NC | G     | 4.7 $\pm$ 30%                             | 105( 80)                                         | 0.90                    |
| CDRH3D16NP-6R8NC | I     | 6.8 $\pm$ 30%                             | 170(130)                                         | 0.73                    |
| CDRH3D16NP-100NC | K     | 10 $\pm$ 30%                              | 210(160)                                         | 0.55                    |
| CDRH3D16NP-150NC | M     | 15 $\pm$ 30%                              | 295(225)                                         | 0.45                    |
| CDRH3D16NP-220NC | O     | 22 $\pm$ 30%                              | 430(330)                                         | 0.40                    |
| CDRH3D16NP-330NC | Q     | 33 $\pm$ 30%                              | 675(520)                                         | 0.32                    |

※1. Inductance measuring condition: at 100kHz.

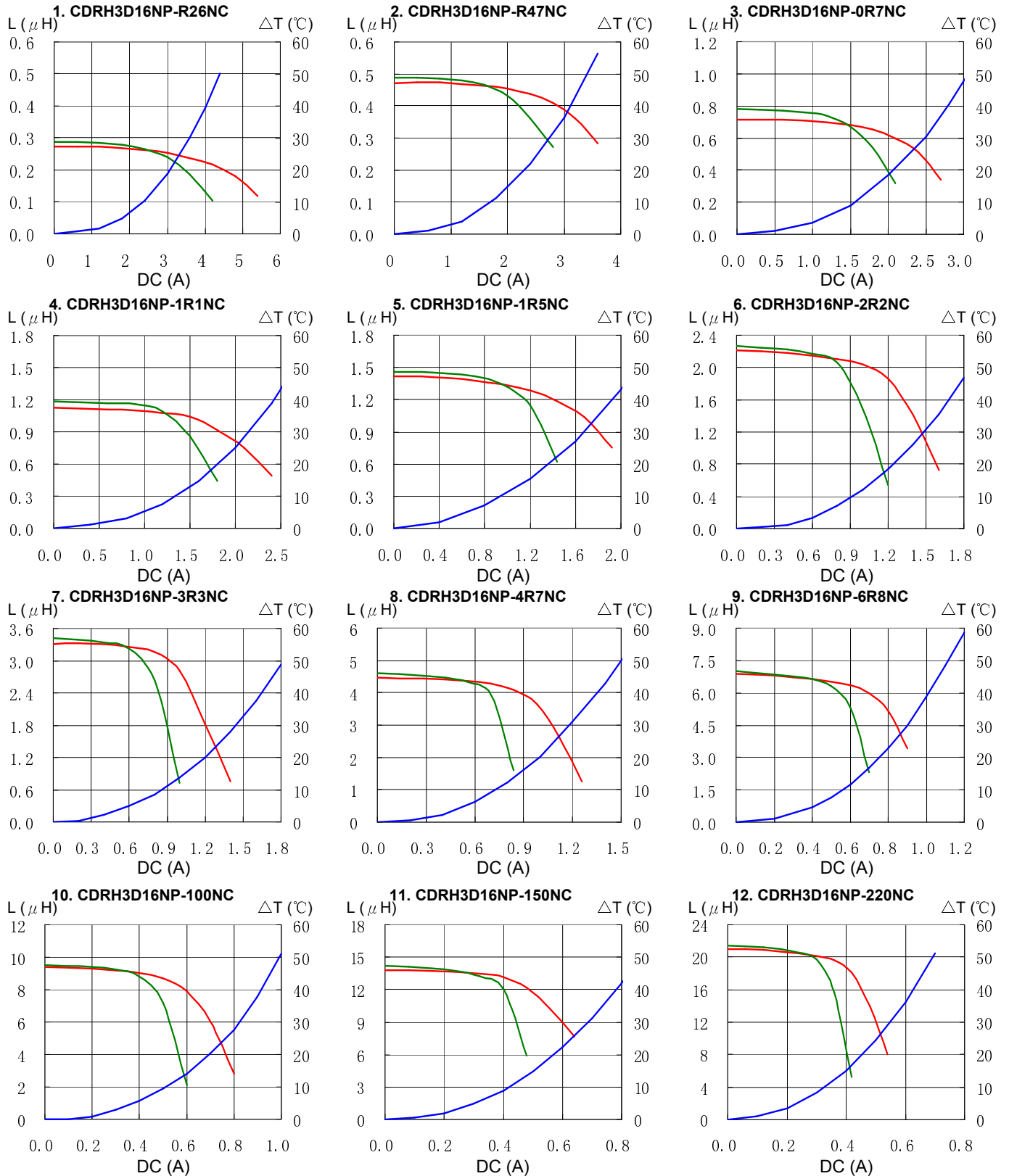
※2. Rated current: The DC current at which the inductance decreases to 65% of its nominal value or when  $\Delta t=30^{\circ}\text{C}$ , whichever is lower ( $T_a=20^{\circ}\text{C}$ ).

# SMD Power Inductor CDRH3D16



## Saturation Current & Temperature Rise Graph

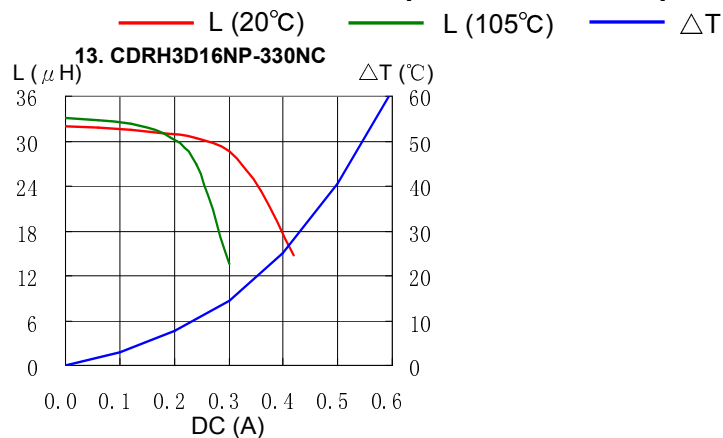
— L (20°C) — L (105°C) —  $\Delta T$



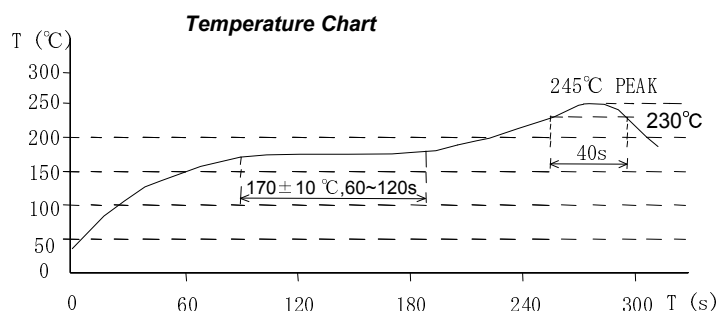
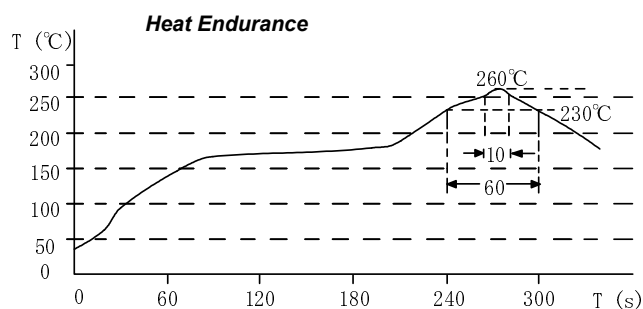
# SMD Power Inductor CDRH3D16



## Saturation Current & Temperature Rise Graph



## Solder Reflow Condition



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