



## Electrical Characteristics

| Part Name        | Stamp | Inductance<br>( $\mu\text{H}$ )<br>[ within ] ※1 | D.C.R. ( $\text{m}\Omega$ )<br>Max. (Typ.)<br>(at 20°C) | Saturation<br>Current<br>(A) ※2 (Typ.) | Temperature<br>Rise Current<br>(A) ※3 |
|------------------|-------|--|---|--|---------------------------------------|
| CDRH8D43NP-R68NC | R68   | $0.68 \pm 35\%$                                  | 9.5(7.0)  | 9.0(10.80)                             | 7.60                                  |
| CDRH8D43NP-1R2NC | 1R2   | $1.2 \pm 35\%$                                   | 12.2(9.0)   | 8.0(10.50)                             | 7.00                                  |
| CDRH8D43NP-2R0NC | 2R0   | $2.0 \pm 30\%$                                   | 14(11)  | 7.0(9.00)                              | 6.30                                  |
| CDRH8D43NP-3R9NC | 3R9   | $3.9 \pm 30\%$                                   | 19(15)  | 5.9(7.50)                              | 4.90                                  |
| CDRH8D43NP-4R7NC | 4R7   | $4.7 \pm 30\%$                                   | 22(17)  | 5.6(7.20)                              | 4.60                                  |
| CDRH8D43NP-6R8NC | 6R8   | $6.8 \pm 30\%$                                   | 25(20)  | 4.4(5.80)                              | 4.30                                  |
| CDRH8D43NP-100NC | 100   | $10 \pm 30\%$                                    | 36(29)  | 4.0(5.50)                              | 3.50                                  |
| CDRH8D43NP-150NC | 150   | $15 \pm 30\%$                                    | 53(42)  | 2.9(3.60)                              | 2.55                                  |
| CDRH8D43NP-220NC | 220   | $22 \pm 30\%$                                    | 75(60)  | 2.6(3.25)                              | 2.10                                  |
| CDRH8D43NP-330NC | 330   | $33 \pm 30\%$                                    | 125(100)  | 2.2(2.60)                              | 1.55                                  |
| CDRH8D43NP-470NC | 470   | $47 \pm 30\%$                                    | 150(120)  | 1.8(2.25)                              | 1.42                                  |
| CDRH8D43NP-680NC | 680   | $68 \pm 30\%$                                    | 240(190)  | 1.5(1.76)                              | 1.15                                  |
| CDRH8D43NP-101NC | 101   | $100 \pm 30\%$                                   | 360(290)  | 1.3(1.55)                              | 0.88                                  |

※1. Inductance measuring conditions at 100kHz.

※2. Saturation current: The DC current at which the inductance decreases to 65% of its nominal value.

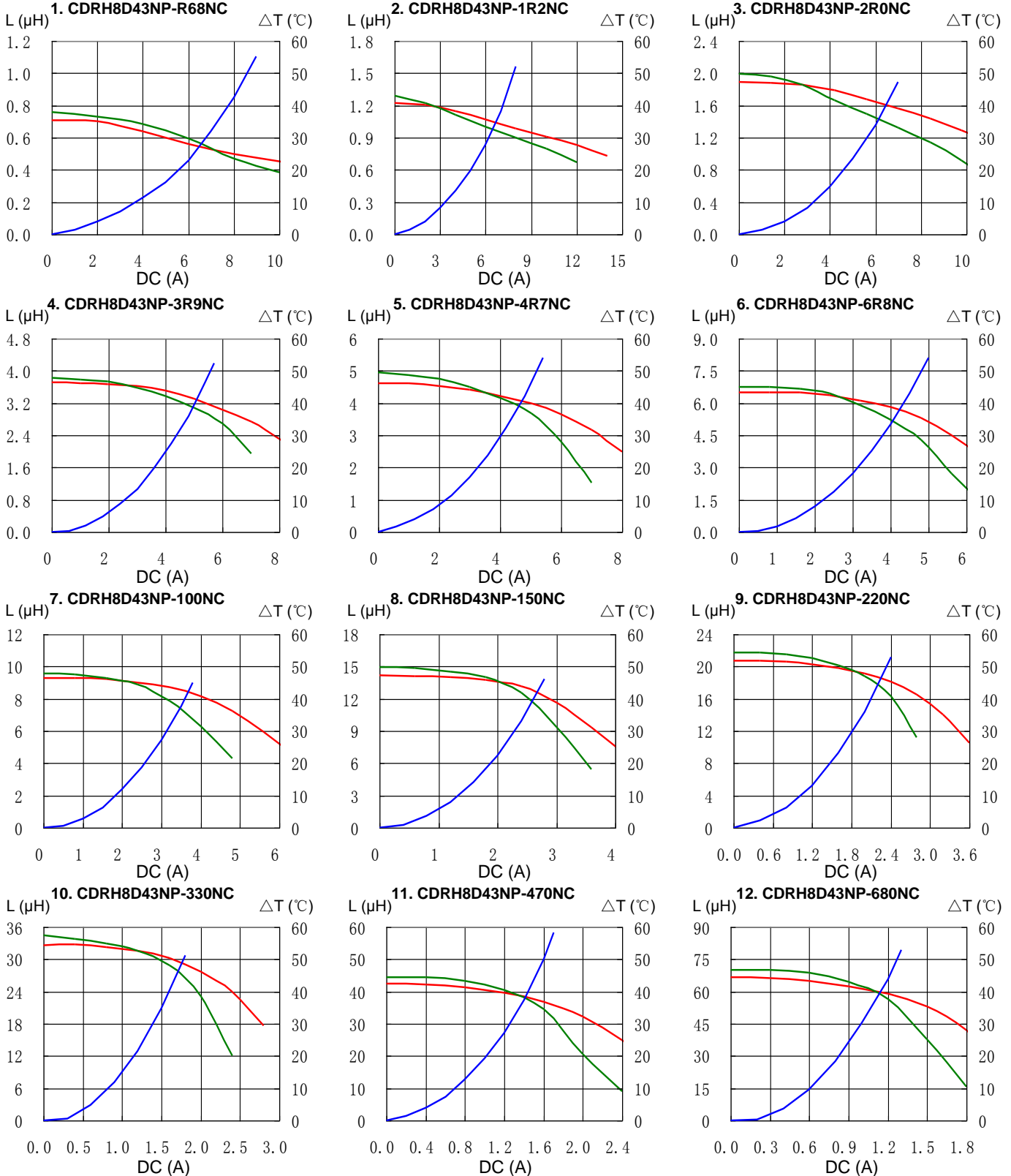
※3. Temperature rise current: The actual DC current at which the temperature rise is  $\Delta t = 40^\circ\text{C}$ . ( $T_a = 20^\circ\text{C}$ )

# SMD Power Inductor CDRH8D43

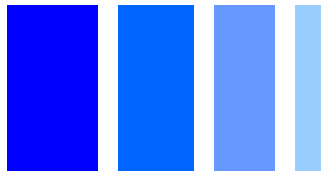


## Saturation Current & Temperature Rise Graph

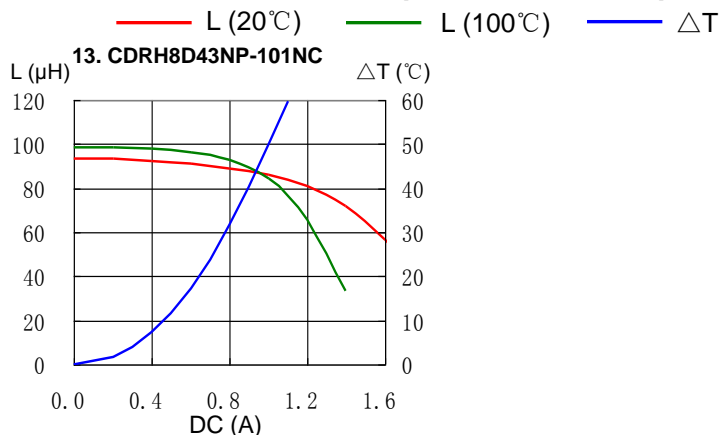
— L (20°C) — L (100°C) —  $\Delta T$



# SMD Power Inductor CDRH8D43

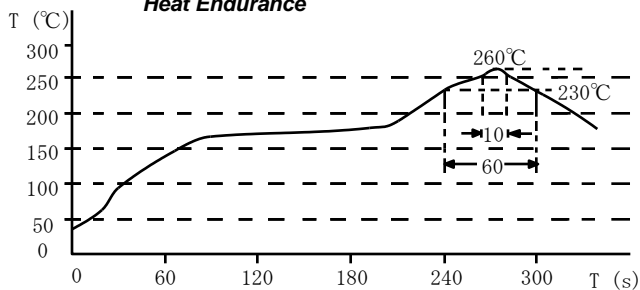


## Saturation Current & Temperature Rise Graph

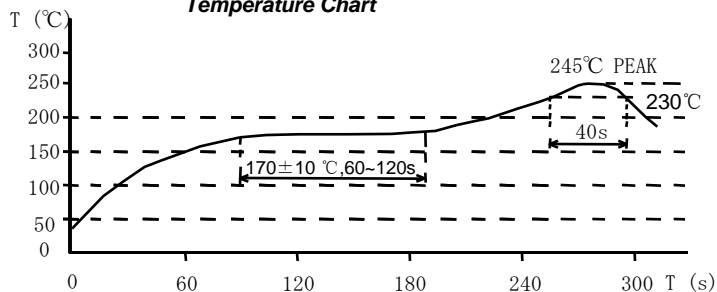


## Solder Reflow Condition

Heat Endurance



Temperature Chart



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