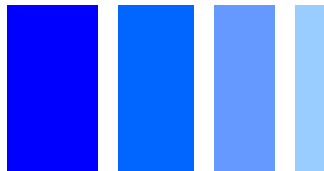


# SMD Power Inductor

## CDRH4D18C



### Electrical Characteristics

| Part No.          | Stamp | Inductance<br>( $\mu$ H)<br>[within] ※1 | D.C.R.( $\Omega$ )<br>Max. (Typ.)<br>(at 20°C) | Rated Current<br>(A) ※2 |
|-------------------|-------|-----------------------------------------|------------------------------------------------|-------------------------|
| CDRH4D18CNP-1R1PC | A     | $1.1 \pm 25\%$                          | 29m(23m)                                       | 2.4                     |
| CDRH4D18CNP-2R2PC | B     | $2.2 \pm 25\%$                          | 39m(31m)                                       | 1.7                     |
| CDRH4D18CNP-3R0PC | C     | $3.0 \pm 25\%$                          | 61m(49m)                                       | 1.5                     |
| CDRH4D18CNP-4R7PC | D     | $4.7 \pm 25\%$                          | 110m(88m)                                      | 1.15                    |
| CDRH4D18CNP-6R8PC | E     | $6.8 \pm 25\%$                          | 125m(100m)                                     | 1.05                    |
| CDRH4D18CNP-100PC | F     | $10 \pm 25\%$                           | 156m(125m)                                     | 830m                    |
| CDRH4D18CNP-150PC | G     | $15 \pm 25\%$                           | 194m(155m)                                     | 700m                    |
| CDRH4D18CNP-220PC | H     | $22 \pm 25\%$                           | 323m(258m)                                     | 600m                    |
| CDRH4D18CNP-330PC | I     | $33 \pm 25\%$                           | 550m(440m)                                     | 460m                    |
| CDRH4D18CNP-470PC | J     | $47 \pm 25\%$                           | 783m(626m)                                     | 410m                    |
| CDRH4D18CNP-680PC | K     | $68 \pm 25\%$                           | 1.16(925m)                                     | 305m                    |
| CDRH4D18CNP-101PC | L     | $100 \pm 25\%$                          | 1.51(1.21)                                     | 250m                    |

※1. Inductance measuring condition: at 100kHz.

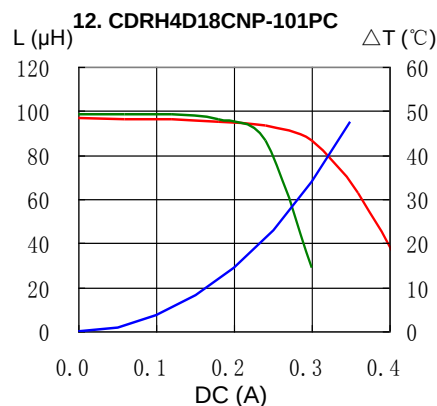
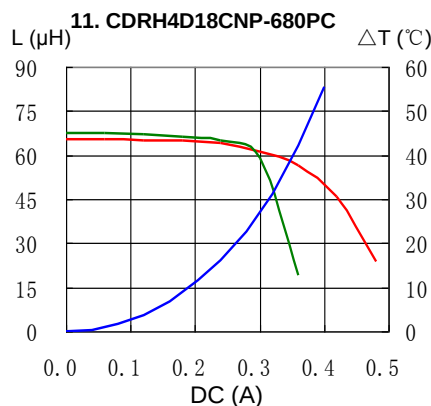
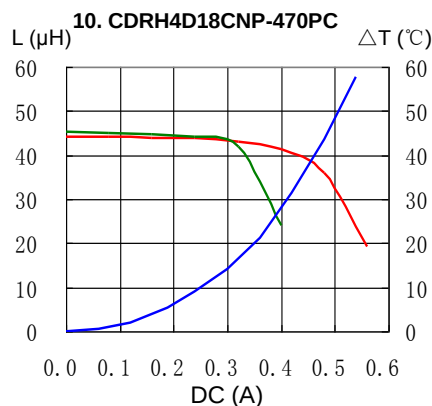
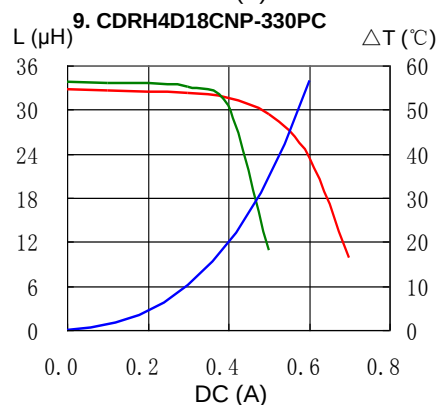
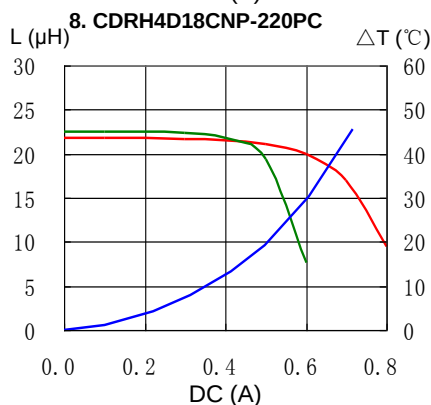
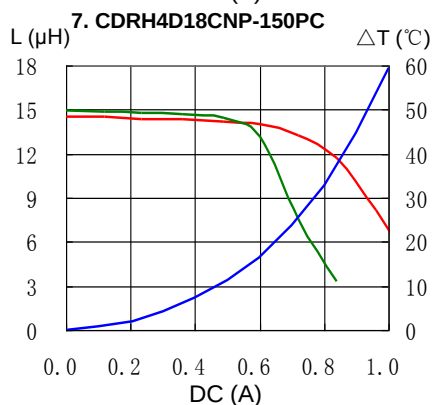
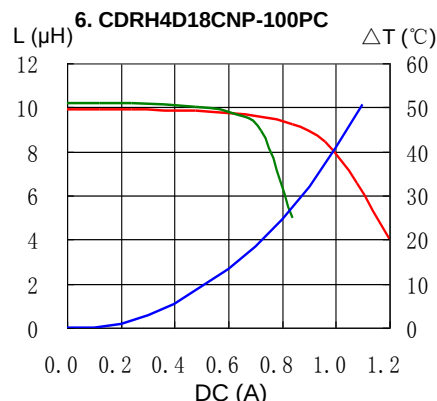
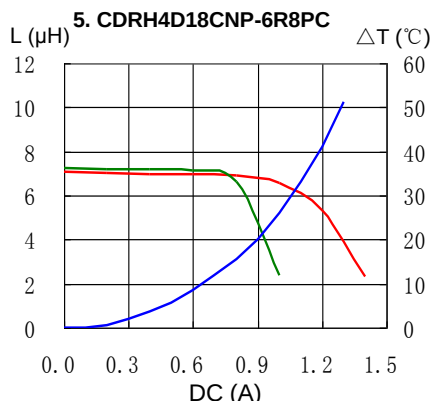
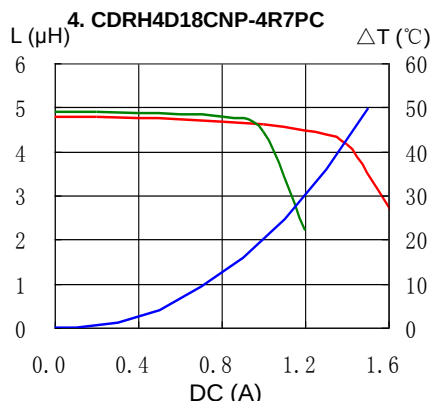
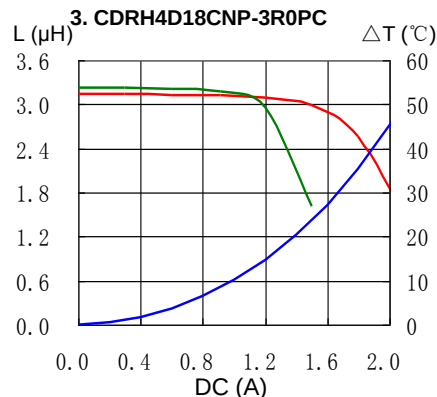
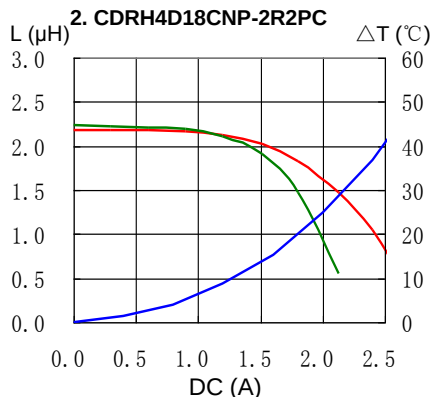
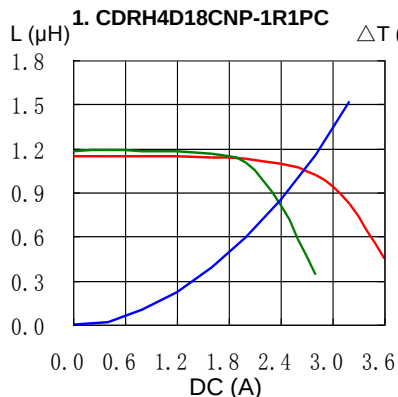
※2. Rated current: The DC current at which the inductance decreases to 65% of its nominal value or when  $\Delta t=40^\circ\text{C}$ , whichever is lower ( $T_a=20^\circ\text{C}$ ).

# SMD Power Inductor CDRH4D18C

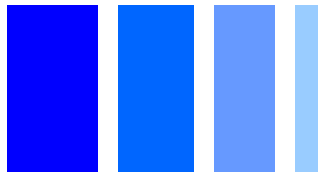


## Saturation Current & Temperature Rise Graph

— L (20°C) — L (100°C) —  $\Delta T$

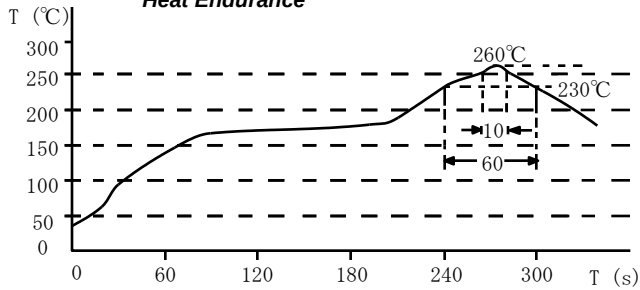


# SMD Power Inductor CDRH4D18C

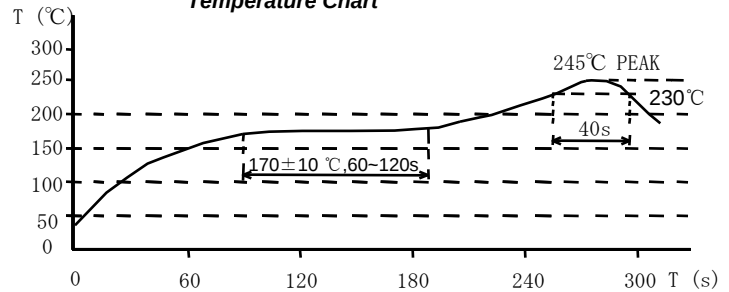


## Solder Reflow Condition

Heat Endurance



Temperature Chart



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