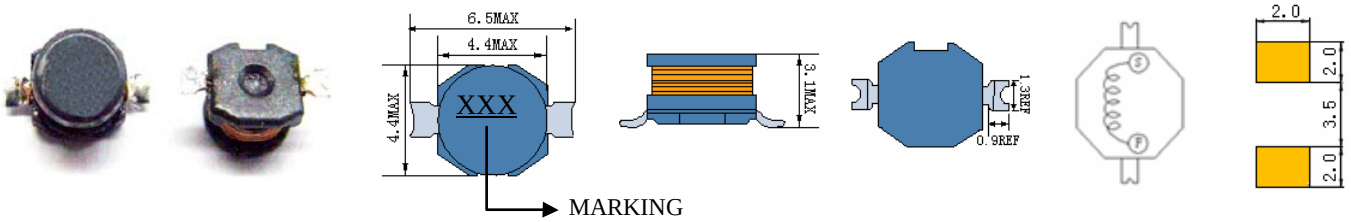
# SC3DF

## SMD POWER INDUCTORS

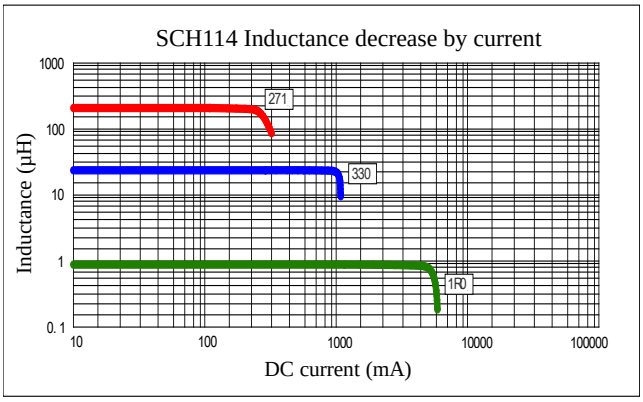


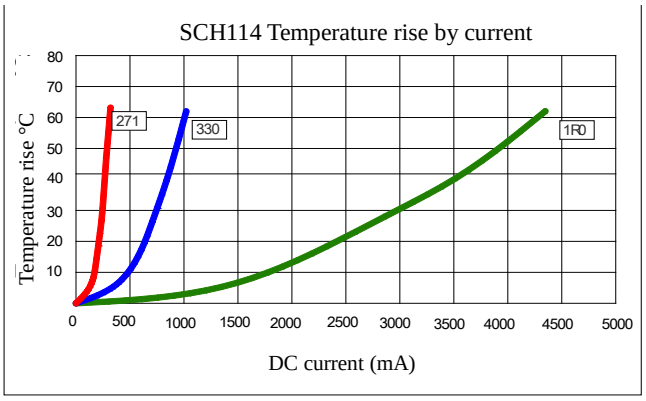

● Features

1. Open frame construction
2 Excellent Power Density
3 Engineered to Provide High Efficiency

## CHARACTERISTICS

| Part Number | Inductance (uH) (1) | Test Frequency | DC Resistance (Ω MAX) (2) | Saturation Current (3) (A) | Temperature Current (4) (A) |
|---|---|---|---|---|---|
| SC3DF-1R0 | 1.0 | 100KHZ | 72m | 1.34 | 2.90 |
| SC3DF-1R5 | 1.5 | 100KHZ | 84m | 1.22 | 2.60 |
| SC3DF-2R2 | 2.2 | 100KHZ | 108m | 1.08 | 2.30 |
| SC3DF 3R3 | 3.3 | 100KHZ | 134m | 0.97 | 2.00 |
| SC3DF-4R7 | 4.7 | 100KHZ | 160m | 0.91 | 1.80 |
| SC3DF-6R8 | 6.8 | 100KHZ | 197m | 0.79 | 1.50 |
| SC3DF-100 | 10 | 100KHZ | 330m | 0.63 | 1.10 |
| SC3DF-120 | 12 | 100KHZ | 350m | 0.59 | 1.00 |
| SC3DF-150 | 15 | 100KHZ | 400m | 0.56 | 0.92 |
| SC3DF-180 | 18 | 100KHZ | 450m | 0.51 | 0.88 |
| SC3DF-220 | 22 | 100KHZ | 534m | 0.47 | 0.86 |
| SC3DF-270 | 27 | 100KHZ | 618m | 0.43 | 0.80 |
| SC3DF-330 | 33 | 100KHZ | 903m | 0.37 | 0.72 |
| SC3DF-390 | 39 | 100KHZ | 1.01 | 0.34 | 0.62 |
| SC3DF-470 | 47 | 100KHZ | 1.36 | 0.29 | 0.56 |
| SC3DF-560 | 56 | 100KHZ | 1.52 | 0.28 | 0.52 |
| SC3DF-680 | 68 | 100KHZ | 1.71 | 0.26 | 0.48 |
| SC3DF-820 | 82 | 100KHZ | 2.31 | 0.22 | 0.43 |
| SC3DF-101 | 100 | 100KHZ | 2.64 | 0.21 | 0.40 |
| SC3DF-121 | 120 | 100KHZ | 3.50 | 0.19 | 0.36 |
| SC3DF-151 | 150 | 100KHZ | 4.13 | 0.17 | 0.33 |
| SC3DF-181 | 180 | 100KHZ | 4.53 | 0.16 | 0.30 |
| SC3DF-221 | 220 | 100KHZ | 6.65 | 0.13 | 0.27 |
| SC3DF-271 | 270 | 100KHZ | 7.52 | 0.12 | 0.24 |




(1). Inductance tolerance for 1.0uH~6.8uH: ±30%, for 10uH~270uH: ±20%. Tested at 0.25V, 0ADC and 25℃.
(2). DCR measured at 25℃.
(3). The DC current at which the inductance decreases by 10% from its initial value.
(4). The DC current that results in a 40℃ temperature rise from 25℃ ambient.

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