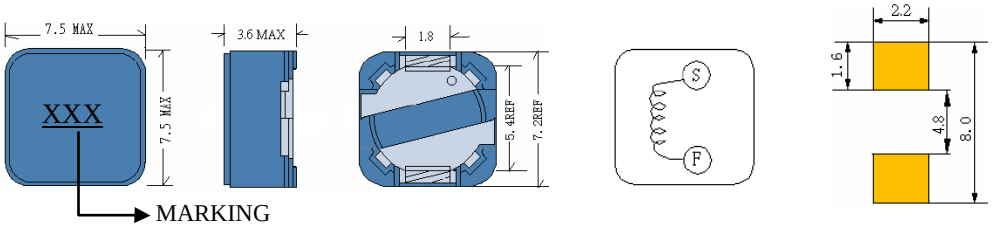
# SCPH73

## SMD POWER INDUCTORS




- Features

1. Magnetically shielded construction
2 Excellent Power Density
3 Engineered to Provide High Efficiency

## ELECTRICAL CHARACTERISTICS

| Part Number | Inductance (uH) (1) | Test Frequency | DC Resistance (Ω MAX) (2) | Saturation Current (3) (A) | Temperature Current (4) (A) |
|---|---|---|---|---|---|
| SCPH73-100 | 10 | 1KHZ | 90m | 1.40 | 2.00 |
| SCPH73-120 | 12 | 1KHZ | 0.10 | 1.30 | 1.80 |
| SCPH73-150 | 15 | 1KHZ | 0.13 | 1.20 | 1.62 |
| SCPH73-180 | 18 | 1KHZ | 0.15 | 1.10 | 1.54 |
| SCPH73-220 | 22 | 1KHZ | 0.17 | 1.00 | 1.38 |
| SCPH73-270 | 27 | 1KHZ | 0.21 | 0.88 | 1.30 |
| SCPH73-330 | 33 | 1KHZ | 0.24 | 0.80 | 1.23 |
| SCPH73-390 | 39 | 1KHZ | 0.31 | 0.75 | 1.16 |
| SCPH73-470 | 47 | 1KHZ | 0.35 | 0.67 | 1.10 |
| SCPH73-560 | 56 | 1KHZ | 0.40 | 0.62 | 0.89 |
| SCPH73-680 | 68 | 1KHZ | 0.52 | 0.54 | 0.84 |
| SCPH73-820 | 82 | 1KHZ | 0.60 | 0.52 | 0.80 |
| SCPH73-101 | 100 | 1KHZ | 0.70 | 0.46 | 0.68 |
| SCPH73-121 | 120 | 1KHZ | 0.82 | 0.42 | 0.61 |
| SCPH73-151 | 150 | 1KHZ | 1.35 | 0.37 | 0.54 |
| SCPH73-181 | 180 | 1KHZ | 1.50 | 0.33 | 0.48 |
| SCPH73-221 | 220 | 1KHZ | 1.70 | 0.30 | 0.43 |
| SCPH73-271 | 270 | 1KHZ | 1.90 | 0.28 | 0.40 |
| SCPH73-331 | 330 | 1KHZ | 2.80 | 0.25 | 0.34 |
| SCPH73-391 | 390 | 1KHZ | 3.00 | 0.22 | 0.32 |
| SCPH73-471 | 470 | 1KHZ | 3.50 | 0.20 | 0.30 |
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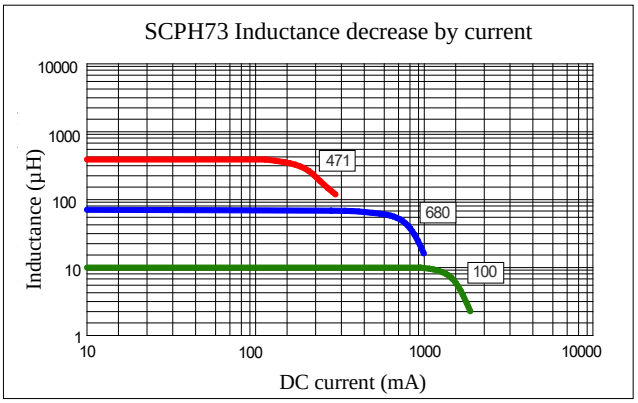


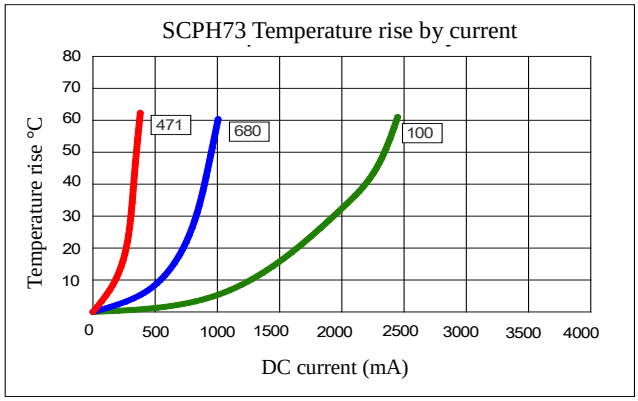


(1). Inductance tolerance ±20% tested at 0.25V, 0ADC and 25℃
(2). DCR measured at 25℃.
(3). The DC current at which the inductance decreases by 35% from its initial value.
(4). The DC current that results in a 40℃ temperature rise from 25℃ambient.

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**Custom versions available upon request.**

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