

# 绕线贴片功率电感—SWCS 系列

## Wire Wound SMD Power Inductors – SWCS Series



**工作温度**  
Operating Temp

◆  $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$  (Including self-heating)

**特征**  
Features

- ◆ 尺寸范围广
- ◆ 大电流，低 DCR
- ◆ 适合表面贴装
- ◆ 开磁路结构设计，散热性能良好
- ◆ Wide range of size
- ◆ Large current and low DCR
- ◆ Suitable for surface mounting equipment
- ◆ Non-magnetic shielded structure, good heat dissipation

**用途**  
Applications

- ◆ 消费电子产品、白色家电的电源储能、滤波、扼流
- ◆ Energy storage, filtering, and choke for power lines of consumer electronics and white goods.

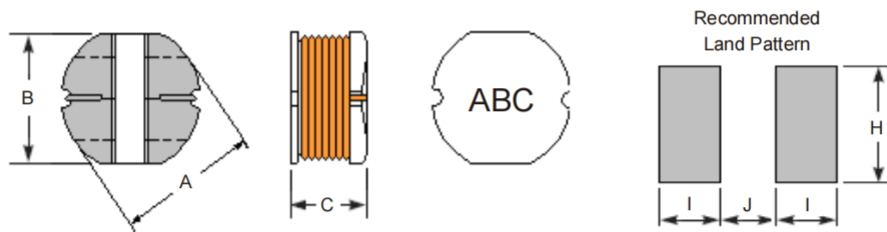
### 产品型号

Product Identification

| 1                                                                                  | 2                        | 3                                                                       | 4                         | 5                            |
|------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------|---------------------------|------------------------------|
| SWCS                                                                               | 0403                     | -1R0                                                                    | N                         | T                            |
| 1                                                                                  | 2                        | 3                                                                       | 4                         | 5                            |
| 分类 Type                                                                            | 外形尺寸 External Dimensions | 公称电感量 Nominal Inductance                                                | 电感公差 Inductance Tolerance | 包装 Packing                   |
| SWCS<br>绕线贴片功率电感<br>Wire Wound SMD Type<br>Power Inductors (With<br>Metallic Base) | 0301~1005                | Example<br>1R0<br>100<br>101<br>Nominal Value<br>1.0μH<br>10μH<br>100μH | M<br>N<br>±20%<br>±30%    | T<br>编带 Tape Carrier Package |

### 外观尺寸

Shape and Dimensions



Unit: mm

| Series   | A        | B        | C       | I typ. | J typ. | H typ. |
|----------|----------|----------|---------|--------|--------|--------|
| SWCS0301 | 3.5±0.15 | 3.0±0.15 | 1.6±0.3 | 1.6    | 0.8    | 3.5    |
| SWCS0302 | 3.5±0.3  | 3.0±0.3  | 2.1±0.3 | 1.6    | 0.8    | 3.5    |
| SWCS0402 | 4.5±0.3  | 4.0±0.3  | 2.0±0.3 | 1.9    | 1.2    | 4.5    |
| SWCS0403 | 4.5±0.3  | 4.0±0.3  | 3.2±0.3 | 1.9    | 1.2    | 4.5    |
| SWCS0502 | 5.8±0.3  | 5.2±0.3  | 2.0±0.3 | 2.2    | 1.6    | 5.4    |
| SWCS0503 | 5.8±0.3  | 5.2±0.3  | 3.0±0.3 | 2.2    | 1.6    | 5.4    |
| SWCS0504 | 5.8±0.3  | 5.2±0.3  | 4.5±0.3 | 2.2    | 1.6    | 5.4    |
| SWCS0703 | 7.8±0.3  | 7.0±0.3  | 3.5±0.3 | 3.0    | 2.0    | 7.5    |
| SWCS0705 | 7.8±0.3  | 7.0±0.3  | 5.0±0.3 | 3.0    | 2.0    | 7.5    |
| SWCS1004 | 10.0±0.3 | 9.0±0.3  | 4.0±0.3 | 3.75   | 2.5    | 9.5    |
| SWCS1005 | 10.0±0.3 | 9.0±0.3  | 5.4±0.3 | 3.75   | 2.5    | 9.5    |

## 规格特性

Specifications

### SWCS0301 TYPE

| 型号<br>Part Number | 电感量<br>Inductance | L 测试条件<br>L Test Condition | 直流电阻<br>Max. DC Resistance | 额定电流<br>Max. Rated Current |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| 单位 Units          | μH                | Hz, V                      | Ω                          | A                          |
| 符号 Symbol         | L                 | -                          | DCR                        | Ir                         |
| SWCS0301-1R0MT    | 1.0±20%           | 100k, 0.3V                 | 0.058                      | 1.60                       |
| SWCS0301-1R5MT    | 1.5±20%           | 100k, 0.3V                 | 0.078                      | 1.55                       |
| SWCS0301-2R2MT    | 2.2±20%           | 100k, 0.3V                 | 0.100                      | 1.47                       |
| SWCS0301-3R3MT    | 3.3±20%           | 100k, 0.3V                 | 0.126                      | 1.34                       |
| SWCS0301-3R9MT    | 3.9±20%           | 100k, 0.3V                 | 0.140                      | 1.24                       |
| SWCS0301-4R7MT    | 4.7±20%           | 100k, 0.3V                 | 0.158                      | 1.22                       |
| SWCS0301-5R6MT    | 5.6±20%           | 100k, 0.3V                 | 0.186                      | 1.09                       |
| SWCS0301-6R8MT    | 6.8±20%           | 100k, 0.3V                 | 0.213                      | 0.96                       |
| SWCS0301-8R2MT    | 8.2±20%           | 100k, 0.3V                 | 0.238                      | 0.84                       |
| SWCS0301-100MT    | 10±20%            | 1k, 0.3V                   | 0.307                      | 0.70                       |
| SWCS0301-120MT    | 12±20%            | 1k, 0.3V                   | 0.372                      | 0.65                       |
| SWCS0301-150MT    | 15±20%            | 1k, 0.3V                   | 0.466                      | 0.59                       |
| SWCS0301-180MT    | 18±20%            | 1k, 0.3V                   | 0.515                      | 0.54                       |
| SWCS0301-220MT    | 22±20%            | 1k, 0.3V                   | 0.656                      | 0.48                       |
| SWCS0301-270MT    | 27±20%            | 1k, 0.3V                   | 0.774                      | 0.43                       |
| SWCS0301-330MT    | 33±20%            | 1k, 0.3V                   | 1.021                      | 0.37                       |
| SWCS0301-390MT    | 39±20%            | 1k, 0.3V                   | 1.122                      | 0.32                       |
| SWCS0301-470MT    | 47±20%            | 1k, 0.3V                   | 1.509                      | 0.26                       |
| SWCS0301-560MT    | 56±20%            | 1k, 0.3V                   | 1.675                      | 0.24                       |

### SWCS0302 TYPE

| 型号<br>Part Number | 电感量<br>Inductance | L 测试条件<br>L Test Condition | 直流电阻<br>Max. DC Resistance | 额定电流<br>Max. Rated Current |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| 单位 Units          | μH                | Hz, V                      | Ω                          | A                          |
| 符号 Symbol         | L                 | -                          | DCR                        | Ir                         |
| SWCS0302-1R0MT    | 1.0±20%           | 100k, 0.3V                 | 0.048                      | 1.75                       |
| SWCS0302-1R5MT    | 1.5±20%           | 100k, 0.3V                 | 0.051                      | 2.30                       |
| SWCS0302-2R2MT    | 2.2±20%           | 100k, 0.3V                 | 0.072                      | 1.68                       |
| SWCS0302-3R3MT    | 3.3±20%           | 100k, 0.3V                 | 0.108                      | 1.58                       |
| SWCS0302-4R7MT    | 4.7±20%           | 100k, 0.3V                 | 0.172                      | 1.50                       |
| SWCS0302-5R6MT    | 5.6±20%           | 100k, 0.3V                 | 0.192                      | 1.36                       |
| SWCS0302-6R8MT    | 6.8±20%           | 100k, 0.3V                 | 0.219                      | 1.22                       |
| SWCS0302-8R2MT    | 8.2±20%           | 100k, 0.3V                 | 0.247                      | 1.09                       |
| SWCS0302-100MT    | 10±20%            | 1k, 0.3V                   | 0.286                      | 0.95                       |
| SWCS0302-120MT    | 12±20%            | 1k, 0.3V                   | 0.325                      | 0.88                       |
| SWCS0302-150MT    | 15±20%            | 1k, 0.3V                   | 0.468                      | 0.82                       |
| SWCS0302-180MT    | 18±20%            | 1k, 0.3V                   | 0.546                      | 0.76                       |
| SWCS0302-220MT    | 22±20%            | 1k, 0.3V                   | 0.650                      | 0.63                       |
| SWCS0302-270MT    | 27±20%            | 1k, 0.3V                   | 0.850                      | 0.62                       |
| SWCS0302-330MT    | 33±20%            | 1k, 0.3V                   | 0.962                      | 0.56                       |
| SWCS0302-390MT    | 39±20%            | 1k, 0.3V                   | 1.050                      | 0.51                       |
| SWCS0302-470MT    | 47±20%            | 1k, 0.3V                   | 1.250                      | 0.47                       |
| SWCS0302-560MT    | 56±20%            | 1k, 0.3V                   | 1.590                      | 0.42                       |
| SWCS0302-680MT    | 68±20%            | 1k, 0.3V                   | 1.820                      | 0.38                       |
| SWCS0302-820MT    | 82±20%            | 1k, 0.3V                   | 2.440                      | 0.34                       |
| SWCS0302-101MT    | 100±20%           | 1k, 0.3V                   | 2.840                      | 0.31                       |
| SWCS0302-151MT    | 150±20%           | 1k, 0.3V                   | 3.800                      | 0.15                       |
| SWCS0302-221MT    | 220±20%           | 1k, 0.3V                   | 6.000                      | 0.14                       |

## 规格特性 Specifications

### SWCS0402TYPE

| 型号<br>Part Number | 电感量<br>Inductance | L 测试条件<br>L Test Condition | 直流电阻<br>Max. DC Resistance | 额定电流<br>Max. Rated Current |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| 单位 Units          | μH                | Hz, V                      | Ω                          | A                          |
| 符号 Symbol         | L                 | -                          | DCR                        | Ir                         |
| SWCS0402-2R2MT    | 2.2±20%           | 100k, 0.3V                 | 0.065                      | 1.50                       |
| SWCS0402-3R3MT    | 3.3±20%           | 100k, 0.3V                 | 0.078                      | 1.35                       |
| SWCS0402-4R7MT    | 4.7±20%           | 100k, 0.3V                 | 0.095                      | 1.20                       |
| SWCS0402-6R8MT    | 6.8±20%           | 100k, 0.3V                 | 0.125                      | 1.10                       |
| SWCS0402-8R2MT    | 8.2±20%           | 100k, 0.3V                 | 0.150                      | 1.02                       |
| SWCS0402-100MT    | 10±20%            | 1k, 0.3V                   | 0.180                      | 0.90                       |
| SWCS0402-220MT    | 22±20%            | 1k, 0.3V                   | 0.450                      | 0.60                       |
| SWCS0402-260MT    | 26±20%            | 1k, 0.3V                   | 0.470                      | 0.55                       |
| SWCS0402-330MT    | 33±20%            | 1k, 0.3V                   | 0.500                      | 0.54                       |
| SWCS0402-390MT    | 39±20%            | 1k, 0.3V                   | 0.700                      | 0.50                       |
| SWCS0402-470MT    | 47±20%            | 1k, 0.3V                   | 0.800                      | 0.48                       |
| SWCS0402-560MT    | 56±20%            | 1k, 0.3V                   | 0.900                      | 0.45                       |
| SWCS0402-101MT    | 100±20%           | 1k, 0.3V                   | 1.500                      | 0.10                       |
| SWCS0402-151MT    | 150±20%           | 1k, 0.3V                   | 2.300                      | 0.09                       |

### SWCS0403 TYPE

| 型号<br>Part Number | 电感量<br>Inductance | L 测试条件<br>L Test Condition | 直流电阻<br>Max. DC Resistance | 额定电流<br>Max. Rated Current |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| 单位 Units          | μH                | Hz, V                      | Ω                          | A                          |
| 符号 Symbol         | L                 | -                          | DCR                        | Ir                         |
| SWCS0403-1R0MT    | 1.0±20%           | 100k, 0.3V                 | 0.033                      | 2.20                       |
| SWCS0403-2R2MT    | 2.2±20%           | 100k, 0.3V                 | 0.047                      | 1.95                       |
| SWCS0403-3R3MT    | 3.3±20%           | 100k, 0.3V                 | 0.058                      | 1.84                       |
| SWCS0403-4R7MT    | 4.7±20%           | 100k, 0.3V                 | 0.094                      | 1.70                       |
| SWCS0403-6R8MT    | 6.8±20%           | 100k, 0.3V                 | 0.117                      | 1.41                       |
| SWCS0403-8R2MT    | 8.2±20%           | 100k, 0.3V                 | 0.132                      | 1.26                       |
| SWCS0403-100MT    | 10±20%            | 1k, 0.3V                   | 0.182                      | 1.15                       |
| SWCS0403-120MT    | 12±20%            | 1k, 0.3V                   | 0.210                      | 1.05                       |
| SWCS0403-150MT    | 15±20%            | 1k, 0.3V                   | 0.235                      | 0.92                       |
| SWCS0403-180MT    | 18±20%            | 1k, 0.3V                   | 0.338                      | 0.84                       |
| SWCS0403-220MT    | 22±20%            | 1k, 0.3V                   | 0.378                      | 0.76                       |
| SWCS0403-270MT    | 27±20%            | 1k, 0.3V                   | 0.522                      | 0.71                       |
| SWCS0403-330MT    | 33±20%            | 1k, 0.3V                   | 0.540                      | 0.64                       |
| SWCS0403-390MT    | 39±20%            | 1k, 0.3V                   | 0.650                      | 0.59                       |
| SWCS0403-470MT    | 47±20%            | 1k, 0.3V                   | 0.844                      | 0.54                       |
| SWCS0403-560MT    | 56±20%            | 1k, 0.3V                   | 0.937                      | 0.50                       |
| SWCS0403-680MT    | 68±20%            | 1k, 0.3V                   | 1.117                      | 0.46                       |
| SWCS0403-820MT    | 82±20%            | 1k, 0.3V                   | 1.180                      | 0.43                       |
| SWCS0403-101MT    | 100±20%           | 1k, 0.3V                   | 1.190                      | 0.41                       |
| SWCS0403-121MT    | 120±20%           | 1k, 0.3V                   | 1.220                      | 0.38                       |
| SWCS0403-151MT    | 150±20%           | 1k, 0.3V                   | 1.400                      | 0.35                       |
| SWCS0403-181MT    | 180±20%           | 1k, 0.3V                   | 1.500                      | 0.31                       |
| SWCS0403-221MT    | 220±20%           | 1k, 0.3V                   | 2.260                      | 0.29                       |
| SWCS0403-331MT    | 330±20%           | 1k, 0.3V                   | 3.600                      | 0.17                       |

### SWCS0502TYPE

| 型号<br>Part Number | 电感量<br>Inductance | L 测试条件<br>L Test Condition | 直流电阻<br>Max. DC Resistance | 额定电流<br>Max. Rated Current |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| 单位 Units          | μH                | Hz, V                      | Ω                          | A                          |
| 符号 Symbol         | L                 | -                          | DCR                        | Ir                         |
| SWCS0502-1R0MT    | 1.0±20%           | 100k, 0.3V                 | 0.050                      | 3.20                       |
| SWCS0502-2R2MT    | 2.2±20%           | 100k, 0.3V                 | 0.080                      | 2.80                       |
| SWCS0502-3R3MT    | 3.3±20%           | 100k, 0.3V                 | 0.120                      | 2.40                       |

## 规格特性

Specifications

### SWCS0502 TYPE

| 型号<br>Part Number | 电感量<br>Inductance | L 测试条件<br>L Test Condition | 直流电阻<br>Max. DC Resistance | 额定电流<br>Max. Rated Current |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| 单位 Units          | μH                | Hz, V                      | Ω                          | A                          |
| 符号 Symbol         | L                 | -                          | DCR                        | Ir                         |
| SWCS0502-3R9MT    | 3.9±20%           | 100k, 0.3V                 | 0.140                      | 2.00                       |
| SWCS0502-4R7MT    | 4.7±20%           | 100k, 0.3V                 | 0.150                      | 1.80                       |
| SWCS0502-5R6MT    | 5.6±20%           | 100k, 0.3V                 | 0.160                      | 1.50                       |
| SWCS0502-6R8MT    | 6.8±20%           | 100k, 0.3V                 | 0.170                      | 1.40                       |
| SWCS0502-8R2MT    | 8.2±20%           | 100k, 0.3V                 | 0.200                      | 1.30                       |
| SWCS0502-100MT    | 10±20%            | 1k, 0.3V                   | 0.230                      | 1.10                       |
| SWCS0502-120MT    | 12±20%            | 1k, 0.3V                   | 0.250                      | 1.05                       |
| SWCS0502-150MT    | 15±20%            | 1k, 0.3V                   | 0.300                      | 1.00                       |
| SWCS0502-180MT    | 18±20%            | 1k, 0.3V                   | 0.350                      | 0.90                       |
| SWCS0502-220MT    | 22±20%            | 1k, 0.3V                   | 0.400                      | 0.85                       |
| SWCS0502-270MT    | 27±20%            | 1k, 0.3V                   | 0.500                      | 0.75                       |
| SWCS0502-330MT    | 33±20%            | 1k, 0.3V                   | 0.550                      | 0.70                       |
| SWCS0502-390MT    | 39±20%            | 1k, 0.3V                   | 0.650                      | 0.60                       |
| SWCS0502-470MT    | 47±20%            | 1k, 0.3V                   | 0.750                      | 0.55                       |
| SWCS0502-560MT    | 56±20%            | 1k, 0.3V                   | 0.950                      | 0.50                       |
| SWCS0502-680MT    | 68±20%            | 1k, 0.3V                   | 1.200                      | 0.45                       |
| SWCS0502-820MT    | 82±20%            | 1k, 0.3V                   | 1.400                      | 0.40                       |
| SWCS0502-101MT    | 100±20%           | 1k, 0.3V                   | 1.750                      | 0.35                       |
| SWCS0502-121MT    | 120±20%           | 1k, 0.3V                   | 2.000                      | 0.25                       |
| SWCS0502-151MT    | 150±20%           | 1k, 0.3V                   | 2.600                      | 0.22                       |
| SWCS0502-181MT    | 180±20%           | 1k, 0.3V                   | 3.700                      | 0.18                       |
| SWCS0502-221MT    | 220±20%           | 1k, 0.3V                   | 4.000                      | 0.19                       |
| SWCS0502-271MT    | 270±20%           | 1k, 0.3V                   | 4.200                      | 0.20                       |

### SWCS0503 TYPE

| 型号<br>Part Number | 电感量<br>Inductance | L 测试条件<br>L Test Condition | 直流电阻<br>Max. DC Resistance | 额定电流<br>Max. Rated Current |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| 单位 Units          | μH                | Hz, V                      | Ω                          | A                          |
| 符号 Symbol         | L                 | -                          | DCR                        | Ir                         |
| SWCS0503-1R0MT    | 1.0±20%           | 100k, 0.3V                 | 0.038                      | 4.50                       |
| SWCS0503-2R2MT    | 2.2±20%           | 100k, 0.3V                 | 0.045                      | 3.50                       |
| SWCS0503-3R3MT    | 3.3±20%           | 100k, 0.3V                 | 0.055                      | 2.80                       |
| SWCS0503-3R9MT    | 3.9±20%           | 100k, 0.3V                 | 0.064                      | 2.60                       |
| SWCS0503-4R7MT    | 4.7±20%           | 100k, 0.3V                 | 0.072                      | 2.50                       |
| SWCS0503-5R6MT    | 5.6±20%           | 100k, 0.3V                 | 0.084                      | 2.40                       |
| SWCS0503-6R8MT    | 6.8±20%           | 100k, 0.3V                 | 0.090                      | 2.20                       |
| SWCS0503-8R2MT    | 8.2±20%           | 100k, 0.3V                 | 0.100                      | 2.00                       |
| SWCS0503-100MT    | 10±20%            | 1k, 0.3V                   | 0.120                      | 1.80                       |
| SWCS0503-120MT    | 12±20%            | 1k, 0.3V                   | 0.130                      | 1.75                       |
| SWCS0503-150MT    | 15±20%            | 1k, 0.3V                   | 0.150                      | 1.70                       |
| SWCS0503-180MT    | 18±20%            | 1k, 0.3V                   | 0.180                      | 1.60                       |
| SWCS0503-220MT    | 22±20%            | 1k, 0.3V                   | 0.220                      | 1.50                       |
| SWCS0503-270MT    | 27±20%            | 1k, 0.3V                   | 0.240                      | 1.40                       |
| SWCS0503-330MT    | 33±20%            | 1k, 0.3V                   | 0.300                      | 1.10                       |
| SWCS0503-390MT    | 39±20%            | 1k, 0.3V                   | 0.400                      | 1.00                       |
| SWCS0503-470MT    | 47±20%            | 1k, 0.3V                   | 0.430                      | 0.90                       |
| SWCS0503-560MT    | 56±20%            | 1k, 0.3V                   | 0.500                      | 0.85                       |
| SWCS0503-680MT    | 68±20%            | 1k, 0.3V                   | 0.600                      | 0.80                       |
| SWCS0503-820MT    | 82±20%            | 1k, 0.3V                   | 0.800                      | 0.65                       |
| SWCS0503-101MT    | 100±20%           | 1k, 0.3V                   | 0.900                      | 0.60                       |
| SWCS0503-121MT    | 120±20%           | 1k, 0.3V                   | 1.000                      | 0.58                       |
| SWCS0503-151MT    | 150±20%           | 1k, 0.3V                   | 1.300                      | 0.43                       |
| SWCS0503-181MT    | 180±20%           | 1k, 0.3V                   | 1.500                      | 0.41                       |
| SWCS0503-221MT    | 220±20%           | 1k, 0.3V                   | 2.000                      | 0.38                       |
| SWCS0503-271MT    | 270±20%           | 1k, 0.3V                   | 2.500                      | 0.35                       |
| SWCS0503-331MT    | 330±20%           | 1k, 0.3V                   | 3.200                      | 0.28                       |

## 规格特性 Specifications

### SWCS0504 TYPE

| 型号<br>Part Number | 电感量<br>Inductance | L 测试条件<br>L Test Condition | 直流电阻<br>Max. DC Resistance | 额定电流<br>Max. Rated Current |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| 单位 Units          | μH                | Hz, V                      | Ω                          | A                          |
| 符号 Symbol         | L                 | -                          | DCR                        | Ir                         |
| SWCS0504-1R0MT    | 1.0±20%           | 100k, 0.3V                 | 0.020                      | 4.00                       |
| SWCS0504-1R2MT    | 1.2±20%           | 100k, 0.3V                 | 0.013                      | 6.40                       |
| SWCS0504-1R5MT    | 1.5±20%           | 100k, 0.3V                 | 0.025                      | 3.80                       |
| SWCS0504-2R2MT    | 2.2±20%           | 100k, 0.3V                 | 0.027                      | 3.50                       |
| SWCS0504-2R7MT    | 2.7±20%           | 100k, 0.3V                 | 0.030                      | 3.20                       |
| SWCS0504-3R3MT    | 3.3±20%           | 100k, 0.3V                 | 0.034                      | 3.00                       |
| SWCS0504-4R7MT    | 4.7±20%           | 100k, 0.3V                 | 0.040                      | 2.80                       |
| SWCS0504-6R8MT    | 6.8±20%           | 100k, 0.3V                 | 0.080                      | 2.50                       |
| SWCS0504-8R2MT    | 8.2±20%           | 100k, 0.3V                 | 0.090                      | 2.10                       |
| SWCS0504-100MT    | 10±20%            | 1k, 0.3V                   | 0.100                      | 1.50                       |
| SWCS0504-120MT    | 12±20%            | 1k, 0.3V                   | 0.120                      | 1.40                       |
| SWCS0504-150MT    | 15±20%            | 1k, 0.3V                   | 0.140                      | 1.30                       |
| SWCS0504-180MT    | 18±20%            | 1k, 0.3V                   | 0.150                      | 1.23                       |
| SWCS0504-220MT    | 22±20%            | 1k, 0.3V                   | 0.180                      | 1.11                       |
| SWCS0504-270MT    | 27±20%            | 1k, 0.3V                   | 0.200                      | 0.97                       |
| SWCS0504-330MT    | 33±20%            | 1k, 0.3V                   | 0.230                      | 0.88                       |
| SWCS0504-390MT    | 39±20%            | 1k, 0.3V                   | 0.320                      | 0.80                       |
| SWCS0504-470MT    | 47±20%            | 1k, 0.3V                   | 0.370                      | 0.72                       |
| SWCS0504-560MT    | 56±20%            | 1k, 0.3V                   | 0.420                      | 0.68                       |
| SWCS0504-680MT    | 68±20%            | 1k, 0.3V                   | 0.460                      | 0.61                       |
| SWCS0504-820MT    | 82±20%            | 1k, 0.3V                   | 0.600                      | 0.58                       |
| SWCS0504-101MT    | 100±20%           | 1k, 0.3V                   | 0.700                      | 0.52                       |
| SWCS0504-121MT    | 120±20%           | 1k, 0.3V                   | 0.930                      | 0.48                       |
| SWCS0504-151MT    | 150±20%           | 1k, 0.3V                   | 1.100                      | 0.40                       |
| SWCS0504-181MT    | 180±20%           | 1k, 0.3V                   | 1.380                      | 0.38                       |
| SWCS0504-221MT    | 220±20%           | 1k, 0.3V                   | 1.570                      | 0.35                       |
| SWCS0504-221KT    | 220±10%           | 1k, 0.3V                   | 1.570                      | 0.35                       |
| SWCS0504-271KT    | 270±10%           | 1k, 0.3V                   | 1.500                      | 0.25                       |
| SWCS0504-331KT    | 330±10%           | 1k, 0.3V                   | 3.000                      | 0.22                       |
| SWCS0504-391KT    | 390±10%           | 1k, 0.3V                   | 3.500                      | 0.20                       |
| SWCS0504-471KT    | 470±10%           | 1k, 0.3V                   | 4.000                      | 0.19                       |
| SWCS0504-561KT    | 560±10%           | 1k, 0.3V                   | 4.000                      | 0.18                       |
| SWCS0504-681KT    | 680±10%           | 1k, 0.3V                   | 4.500                      | 0.15                       |
| SWCS0504-821KT    | 820±10%           | 1k, 0.3V                   | 5.300                      | 0.22                       |
| SWCS0504-102KT    | 1000±10%          | 1k, 0.3V                   | 7.000                      | 0.19                       |

### SWCS0703 TYPE

| 型号<br>Part Number | 电感量<br>Inductance | L 测试条件<br>L Test Condition | 直流电阻<br>Max. DC Resistance | 额定电流<br>Max. Rated Current |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| 单位 Units          | μH                | Hz, V                      | Ω                          | A                          |
| 符号 Symbol         | L                 | -                          | DCR                        | Ir                         |
| SWCS0703-1R0MT    | 1.0±20%           | 100k, 0.3V                 | 0.018                      | 5.50                       |
| SWCS0703-1R5MT    | 1.5±20%           | 100k, 0.3V                 | 0.020                      | 5.00                       |
| SWCS0703-2R2MT    | 2.2±20%           | 100k, 0.3V                 | 0.023                      | 4.50                       |
| SWCS0703-3R3MT    | 3.3±20%           | 100k, 0.3V                 | 0.025                      | 4.00                       |
| SWCS0703-4R7MT    | 4.7±20%           | 100k, 0.3V                 | 0.039                      | 3.50                       |
| SWCS0703-6R8MT    | 6.8±20%           | 100k, 0.3V                 | 0.040                      | 2.80                       |
| SWCS0703-8R2MT    | 8.2±20%           | 100k, 0.3V                 | 0.060                      | 2.20                       |
| SWCS0703-100MT    | 10±20%            | 1k, 0.3V                   | 0.080                      | 1.44                       |
| SWCS0703-120MT    | 12±20%            | 1k, 0.3V                   | 0.090                      | 1.39                       |
| SWCS0703-150MT    | 15±20%            | 1k, 0.3V                   | 0.100                      | 1.24                       |

## 规格特性 Specifications

### SWCS0703 TYPE

| 型号<br>Part Number | 电感量<br>Inductance | L 测试条件<br>L Test Condition | 直流电阻<br>Max. DC Resistance | 额定电流<br>Max. Rated Current |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| 单位 Units          | μH                | Hz, V                      | Ω                          | A                          |
| 符号 Symbol         | L                 | -                          | DCR                        | I <sub>r</sub>             |
| SWCS0703-180MT    | 18±20%            | 1k, 0.3V                   | 0.110                      | 1.12                       |
| SWCS0703-220MT    | 22±20%            | 1k, 0.3V                   | 0.130                      | 1.07                       |
| SWCS0703-270MT    | 27±20%            | 1k, 0.3V                   | 0.150                      | 0.94                       |
| SWCS0703-330MT    | 33±20%            | 1k, 0.3V                   | 0.170                      | 0.85                       |
| SWCS0703-390MT    | 39±20%            | 1k, 0.3V                   | 0.220                      | 0.74                       |
| SWCS0703-470MT    | 47±20%            | 1k, 0.3V                   | 0.250                      | 0.68                       |
| SWCS0703-560MT    | 56±20%            | 1k, 0.3V                   | 0.280                      | 0.64                       |
| SWCS0703-680MT    | 68±20%            | 1k, 0.3V                   | 0.330                      | 0.59                       |
| SWCS0703-820MT    | 82±20%            | 1k, 0.3V                   | 0.410                      | 0.54                       |
| SWCS0703-101MT    | 100±20%           | 1k, 0.3V                   | 0.480                      | 0.51                       |
| SWCS0703-121MT    | 120±20%           | 1k, 0.3V                   | 0.540                      | 0.49                       |

### SWCS0705 TYPE

| 型号<br>Part Number | 电感量<br>Inductance | L 测试条件<br>L Test Condition | 直流电阻<br>Max. DC Resistance | 额定电流<br>Max. Rated Current |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| 单位 Units          | μH                | Hz, V                      | Ω                          | A                          |
| 符号 Symbol         | L                 | -                          | DCR                        | I <sub>r</sub>             |
| SWCS0705-1R0MT    | 1.0±20%           | 100k, 0.3V                 | 0.019                      | 5.80                       |
| SWCS0705-1R5MT    | 1.5±20%           | 100k, 0.3V                 | 0.028                      | 5.30                       |
| SWCS0705-2R2MT    | 2.2±20%           | 100k, 0.3V                 | 0.035                      | 4.50                       |
| SWCS0705-3R3MT    | 3.3±20%           | 100k, 0.3V                 | 0.045                      | 4.00                       |
| SWCS0705-4R7MT    | 4.7±20%           | 100k, 0.3V                 | 0.058                      | 3.20                       |
| SWCS0705-6R8MT    | 6.8±20%           | 100k, 0.3V                 | 0.070                      | 2.80                       |
| SWCS0705-8R2MT    | 8.2±20%           | 100k, 0.3V                 | 0.075                      | 2.50                       |
| SWCS0705-100MT    | 10±20%            | 1k, 0.3V                   | 0.078                      | 2.30                       |
| SWCS0705-120MT    | 12±20%            | 1k, 0.3V                   | 0.085                      | 2.00                       |
| SWCS0705-150MT    | 15±20%            | 1k, 0.3V                   | 0.090                      | 1.80                       |
| SWCS0705-180MT    | 18±20%            | 1k, 0.3V                   | 0.100                      | 1.60                       |
| SWCS0705-220MT    | 22±20%            | 1k, 0.3V                   | 0.110                      | 1.50                       |
| SWCS0705-270MT    | 27±20%            | 1k, 0.3V                   | 0.120                      | 1.30                       |
| SWCS0705-330MT    | 33±20%            | 1k, 0.3V                   | 0.130                      | 1.20                       |
| SWCS0705-390MT    | 39±20%            | 1k, 0.3V                   | 0.160                      | 1.10                       |
| SWCS0705-470MT    | 47±20%            | 1k, 0.3V                   | 0.180                      | 1.00                       |
| SWCS0705-560MT    | 56±20%            | 1k, 0.3V                   | 0.240                      | 0.94                       |
| SWCS0705-680MT    | 68±20%            | 1k, 0.3V                   | 0.280                      | 0.85                       |
| SWCS0705-820MT    | 82±20%            | 1k, 0.3V                   | 0.370                      | 0.78                       |
| SWCS0705-101MT    | 100±20%           | 1k, 0.3V                   | 0.430                      | 0.72                       |
| SWCS0705-121MT    | 120±20%           | 1k, 0.3V                   | 0.470                      | 0.66                       |
| SWCS0705-151MT    | 150±20%           | 1k, 0.3V                   | 0.640                      | 0.58                       |
| SWCS0705-181MT    | 180±20%           | 1k, 0.3V                   | 0.710                      | 0.51                       |
| SWCS0705-221MT    | 220±20%           | 1k, 0.3V                   | 0.960                      | 0.49                       |
| SWCS0705-221KT    | 220±10%           | 1k, 0.3V                   | 0.960                      | 0.49                       |
| SWCS0705-271MT    | 270±20%           | 1k, 0.3V                   | 1.110                      | 0.42                       |
| SWCS0705-331MT    | 330±20%           | 1k, 0.3V                   | 1.260                      | 0.40                       |
| SWCS0705-391MT    | 390±20%           | 1k, 0.3V                   | 1.770                      | 0.36                       |
| SWCS0705-471MT    | 470±20%           | 1k, 0.3V                   | 1.960                      | 0.34                       |
| SWCS0705-681KT    | 680±10%           | 1k, 0.3V                   | 2.400                      | 0.31                       |
| SWCS0705-821KT    | 820±10%           | 1k, 0.3V                   | 2.650                      | 0.30                       |
| SWCS0705-102KT    | 1000±10%          | 1k, 0.3V                   | 3.150                      | 0.29                       |
| SWCS0705-122KT    | 1200±10%          | 1k, 0.3V                   | 4.500                      | 0.28                       |
| SWCS0705-152KT    | 1500±10%          | 1k, 0.3V                   | 5.000                      | 0.21                       |
| SWCS0705-182KT    | 1800±10%          | 1k, 0.3V                   | 6.000                      | 0.20                       |
| SWCS0705-222KT    | 2200±10%          | 1k, 0.3V                   | 6.800                      | 0.19                       |

## 规格特性 Specifications

### SWCS1004 TYPE

| 型号<br>Part Number | 电感量<br>Inductance | L 测试条件<br>L Test Condition | 直流电阻<br>Max. DC Resistance | 额定电流<br>Max. Rated Current |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| 单位 Units          | μH                | Hz, V                      | Ω                          | A                          |
| 符号 Symbol         | L                 | -                          | DCR                        | Ir                         |
| SWCS1004-1R0MT    | 1.0±20%           | 100k, 0.3V                 | 0.012                      | 6.70                       |
| SWCS1004-1R5MT    | 1.5±20%           | 100k, 0.3V                 | 0.016                      | 6.10                       |
| SWCS1004-2R2MT    | 2.2±20%           | 100k, 0.3V                 | 0.020                      | 5.40                       |
| SWCS1004-3R3MT    | 3.3±20%           | 100k, 0.3V                 | 0.028                      | 3.85                       |
| SWCS1004-4R7MT    | 4.7±20%           | 100k, 0.3V                 | 0.038                      | 3.25                       |
| SWCS1004-6R8MT    | 6.8±20%           | 100k, 0.3V                 | 0.042                      | 2.95                       |
| SWCS1004-8R2MT    | 8.2±20%           | 100k, 0.3V                 | 0.048                      | 2.70                       |
| SWCS1004-100MT    | 10±20%            | 1k, 0.3V                   | 0.050                      | 2.38                       |
| SWCS1004-150MT    | 15±20%            | 1k, 0.3V                   | 0.070                      | 1.87                       |
| SWCS1004-180MT    | 18±20%            | 1k, 0.3V                   | 0.080                      | 1.73                       |
| SWCS1004-220MT    | 22±20%            | 1k, 0.3V                   | 0.090                      | 1.60                       |
| SWCS1004-270MT    | 27±20%            | 1k, 0.3V                   | 0.100                      | 1.44                       |
| SWCS1004-330MT    | 33±20%            | 1k, 0.3V                   | 0.120                      | 1.26                       |
| SWCS1004-390MT    | 39±20%            | 1k, 0.3V                   | 0.150                      | 1.20                       |
| SWCS1004-470MT    | 47±20%            | 1k, 0.3V                   | 0.170                      | 1.10                       |
| SWCS1004-560MT    | 56±20%            | 1k, 0.3V                   | 0.200                      | 1.01                       |
| SWCS1004-680MT    | 68±20%            | 1k, 0.3V                   | 0.220                      | 0.91                       |
| SWCS1004-820MT    | 82±20%            | 1k, 0.3V                   | 0.250                      | 0.85                       |
| SWCS1004-101MT    | 100±20%           | 1k, 0.3V                   | 0.340                      | 0.74                       |
| SWCS1004-121MT    | 120±20%           | 1k, 0.3V                   | 0.400                      | 0.69                       |
| SWCS1004-151MT    | 150±20%           | 1k, 0.3V                   | 0.540                      | 0.61                       |
| SWCS1004-181MT    | 180±20%           | 1k, 0.3V                   | 0.620                      | 0.56                       |
| SWCS1004-221MT    | 220±20%           | 1k, 0.3V                   | 0.720                      | 0.53                       |
| SWCS1004-271MT    | 270±20%           | 1k, 0.3V                   | 0.950                      | 0.45                       |
| SWCS1004-331MT    | 330±20%           | 1k, 0.3V                   | 1.100                      | 0.42                       |
| SWCS1004-391MT    | 390±20%           | 1k, 0.3V                   | 1.240                      | 0.38                       |
| SWCS1004-471MT    | 470±20%           | 1k, 0.3V                   | 1.530                      | 0.35                       |
| SWCS1004-561MT    | 560±20%           | 1k, 0.3V                   | 1.900                      | 0.32                       |

### SWCS1005 TYPE

| 型号<br>Part Number | 电感量<br>Inductance | L 测试条件<br>L Test Condition | 直流电阻<br>Max. DC Resistance | 额定电流<br>Max. Rated Current |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| 单位 Units          | μH                | Hz, V                      | Ω                          | A                          |
| 符号 Symbol         | L                 | -                          | DCR                        | Ir                         |
| SWCS1005-1R2MT    | 1.2±20%           | 100k, 0.3V                 | 0.010                      | 8.63                       |
| SWCS1005-2R2MT    | 2.2±20%           | 100k, 0.3V                 | 0.017                      | 7.20                       |
| SWCS1005-3R3MT    | 3.3±20%           | 100k, 0.3V                 | 0.019                      | 6.50                       |
| SWCS1005-4R7MT    | 4.7±20%           | 100k, 0.3V                 | 0.022                      | 5.50                       |
| SWCS1005-6R8MT    | 6.8±20%           | 100k, 0.3V                 | 0.040                      | 4.50                       |
| SWCS1005-8R2MT    | 8.2±20%           | 100k, 0.3V                 | 0.050                      | 3.50                       |
| SWCS1005-100MT    | 10±20%            | 1k, 0.3V                   | 0.060                      | 2.60                       |
| SWCS1005-150MT    | 15±20%            | 1k, 0.3V                   | 0.070                      | 1.72                       |
| SWCS1005-180MT    | 18±20%            | 1k, 0.3V                   | 0.080                      | 1.58                       |
| SWCS1005-220MT    | 22±20%            | 1k, 0.3V                   | 0.090                      | 1.42                       |
| SWCS1005-270MT    | 27±20%            | 1k, 0.3V                   | 0.100                      | 1.32                       |
| SWCS1005-330MT    | 33±20%            | 1k, 0.3V                   | 0.110                      | 1.16                       |
| SWCS1005-390MT    | 39±20%            | 1k, 0.3V                   | 0.120                      | 1.10                       |
| SWCS1005-470MT    | 47±20%            | 1k, 0.3V                   | 0.140                      | 1.00                       |
| SWCS1005-560MT    | 56±20%            | 1k, 0.3V                   | 0.190                      | 0.93                       |
| SWCS1005-680MT    | 68±20%            | 1k, 0.3V                   | 0.210                      | 0.85                       |
| SWCS1005-820MT    | 82±20%            | 1k, 0.3V                   | 0.280                      | 0.79                       |

**规格特性**  
Specifications

SWCS1005 TYPE

| 型号<br>Part Number | 电感量<br>Inductance | L 测试条件<br>L Test Condition | 直流电阻<br>Max. DC Resistance | 额定电流<br>Max. Rated Current |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| 单位 Units          | μH                | Hz, V                      | Ω                          | A                          |
| 符号 Symbol         | L                 | -                          | DCR                        | Ir                         |
| SWCS1005-101MT    | 100 ± 20%         | 1k, 0.3V                   | 0.340                      | 0.72                       |
| SWCS1005-121MT    | 120 ± 20%         | 1k, 0.3V                   | 0.370                      | 0.63                       |
| SWCS1005-151MT    | 150 ± 20%         | 1k, 0.3V                   | 0.510                      | 0.55                       |
| SWCS1005-181MT    | 180 ± 20%         | 1k, 0.3V                   | 0.570                      | 0.50                       |
| SWCS1005-221MT    | 220 ± 20%         | 1k, 0.3V                   | 0.780                      | 0.47                       |
| SWCS1005-271MT    | 270 ± 20%         | 1k, 0.3V                   | 0.870                      | 0.41                       |
| SWCS1005-331MT    | 330 ± 20%         | 1k, 0.3V                   | 1.200                      | 0.37                       |
| SWCS1005-471MT    | 470 ± 20%         | 1k, 0.3V                   | 1.500                      | 0.33                       |
| SWCS1005-561MT    | 560 ± 20%         | 1k, 0.3V                   | 1.900                      | 0.30                       |
| SWCS1005-681MT    | 680 ± 20%         | 1k, 0.3V                   | 2.250                      | 0.28                       |
| SWCS1005-821MT    | 820 ± 20%         | 1k, 0.3V                   | 2.550                      | 0.24                       |