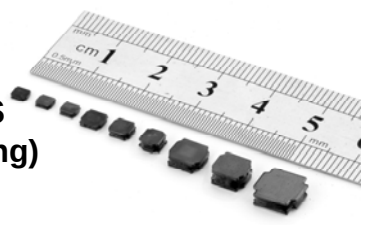


# Wire Wound SMD Power Inductors–SWPA Series

Operating temperature range: -40℃~+125℃ (Including self-heating)



## 特征

- 磁性胶水涂敷结构极大减少了蜂鸣声
- 直接在磁芯上金属化电极，抗跌落冲击强，经久耐用
- 闭合磁路结构设计，漏磁少，抗EMI能力强
- 同等尺寸，额定电流特性较传统电感高出30%以上
- 省空间，更省电

## FEATURES

- Magnetic-resin shielded construction reduces buzz noise to ultra-low levels
- Metallization on ferrite core results in excellent shock resistance and damage-free durability
- Closed magnetic circuit design reduces leakage flux and Electro Magnetic Interference (EMI)
- 30% higher current rating than conventional inductors of equal size
- Takes up less PCB real estate and save more power

## 用途

- LED照明
- 多功能手机
- 平板电视、蓝光DVD、机顶盒
- 笔记本电脑、台式电脑、服务器、显卡
- 便携式游戏机、个人导航系统、多媒体
- 汽车产品
- 通信设备

## APPLICATIONS

- LED Lighting
- Next-generation mobile devices with multifunction such as mobile TV and digital movie cameras
- Flat-screen TVs, blue-ray disc recorders, set top box
- Notebooks, desktop computers, servers, graphic cards cards
- Portable gaming devices, personal navigation systems, personal multimedia devices
- Automotive systems
- Telecomm base stations

## 产品型号

## PRODUCT IDENTIFICATION

### SWPA

①

### 3012

②

### S

③

| ①    | 分类 Type                       |
|------|-------------------------------|
| SWPA | Wire Wound SMD Power Inductor |

| ③ | 特性类型 Feature Type |
|---|-------------------|
| S | Standard          |

| ④       | 公称感量 Nominal Inductance |
|---------|-------------------------|
| Example | Nominal Value           |
| 1R5     | 1.5μH                   |
| 100     | 10μH                    |

| ⑤ | 感量精度 Inductance Tolerance |
|---|---------------------------|
| K | ±10%                      |
| N | ±30%                      |
| M | ±20%                      |

| ⑥ | 包装 Packing           |
|---|----------------------|
| T | Tape Carrier Package |

### 1R0

④

### N

⑤

### T

⑥

| ② 外形尺寸 External Dimensions (L×W×H) [mm] |             |
|-----------------------------------------|-------------|
| 252010                                  | 2.5×2.0×1.0 |
| 252012                                  | 2.5×2.0×1.2 |
| 3010                                    | 3.0×3.0×1.0 |
| 3012                                    | 3.0×3.0×1.2 |
| 3015                                    | 3.0×3.0×1.5 |
| 4010                                    | 4.0×4.0×1.0 |
| 4012                                    | 4.0×4.0×1.2 |
| 4018                                    | 4.0×4.0×1.8 |
| 4020                                    | 4.0×4.0×2.0 |
| 4026                                    | 4.0×4.0×2.6 |
| 4030                                    | 4.0×4.0×3.0 |
| 5012                                    | 5.0×5.0×1.2 |
| 5020                                    | 5.0×5.0×2.0 |
| 5040                                    | 5.0×5.0×4.0 |
| 6020                                    | 6.0×6.0×2.0 |
| 6028                                    | 6.0×6.0×2.8 |
| 6040                                    | 6.0×6.0×4.0 |
| 6045                                    | 6.0×6.0×4.5 |
| 8040                                    | 8.0×8.0×4.0 |

Fig.1

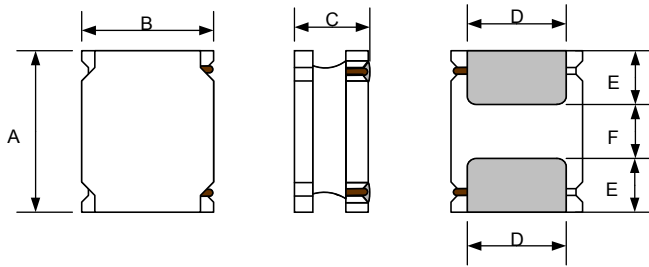


Fig.2

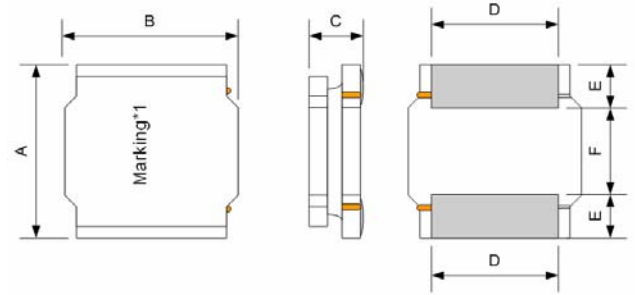
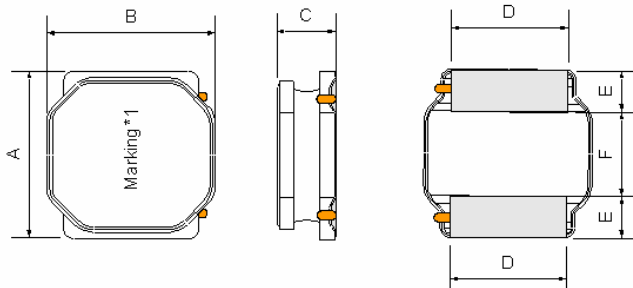
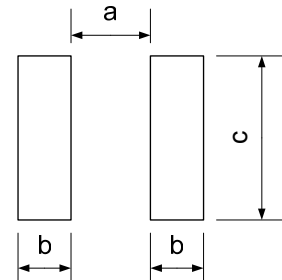


Fig.3



Recommended Land Pattern



Unit: mm

| Series      | Shape | A       | B       | C       | D       | E        | F        | a Typ. | b Typ. | c Typ. |
|-------------|-------|---------|---------|---------|---------|----------|----------|--------|--------|--------|
| SWPA252010S | Fig.1 | 2.5±0.1 | 2.0±0.1 | 1.0Max. | 1.5±0.2 | 0.80±0.2 | 0.80±0.2 | 0.80   | 0.85   | 2.0    |
| SWPA252012S | Fig.1 | 2.5±0.1 | 2.0±0.1 | 1.2Max. | 1.5±0.2 | 0.80±0.2 | 0.80±0.2 | 0.80   | 0.85   | 2.0    |
| SWPA3010S   | Fig.2 | 3.0±0.2 | 3.0±0.2 | 1.0Max. | 2.5±0.2 | 0.75±0.2 | 1.5±0.2  | 1.5    | 0.8    | 2.7    |
| SWPA3012S   | Fig.2 | 3.0±0.2 | 3.0±0.2 | 1.2Max. | 2.5±0.2 | 0.75±0.2 | 1.5±0.2  | 1.5    | 0.8    | 2.7    |
| SWPA3015S   | Fig.2 | 3.0±0.2 | 3.0±0.2 | 1.5Max. | 2.5±0.2 | 0.75±0.2 | 1.5±0.2  | 1.5    | 0.8    | 2.7    |
| SWPA4010S   | Fig.3 | 4.0±0.2 | 4.0±0.2 | 1.0Max. | 3.3±0.2 | 0.95±0.2 | 2.1±0.2  | 1.9    | 1.1    | 3.7    |
| SWPA4012S   | Fig.2 | 4.0±0.2 | 4.0±0.2 | 1.2Max. | 3.3±0.2 | 0.95±0.2 | 2.1±0.2  | 1.9    | 1.1    | 3.7    |
| SWPA4018S   | Fig.2 | 4.0±0.2 | 4.0±0.2 | 1.8Max. | 3.3±0.2 | 0.95±0.2 | 2.1±0.2  | 1.9    | 1.1    | 3.7    |
| SWPA4020S   | Fig.2 | 4.0±0.2 | 4.0±0.2 | 2.0Max. | 3.3±0.2 | 0.95±0.2 | 2.1±0.2  | 1.9    | 1.1    | 3.7    |
| SWPA4026S   | Fig.3 | 4.0±0.2 | 4.0±0.2 | 2.6Max. | 3.3±0.2 | 0.95±0.2 | 2.1±0.2  | 1.9    | 1.1    | 3.7    |
| SWPA4030S   | Fig.2 | 4.0±0.2 | 4.0±0.2 | 3.0Max. | 3.3±0.2 | 0.95±0.2 | 2.1±0.2  | 1.9    | 1.1    | 3.7    |
| SWPA5012S   | Fig.3 | 5.0±0.2 | 5.0±0.2 | 1.2Max. | 4.0±0.2 | 1.25±0.2 | 2.5±0.2  | 2.1    | 1.5    | 4.4    |
| SWPA5020S   | Fig.3 | 5.0±0.2 | 5.0±0.2 | 2.0Max. | 4.0±0.2 | 1.25±0.2 | 2.5±0.2  | 2.3    | 1.4    | 4.2    |
| SWPA5040S   | Fig.3 | 5.0±0.2 | 5.0±0.2 | 4.0Max. | 4.0±0.2 | 1.25±0.2 | 2.5±0.2  | 2.3    | 1.4    | 4.2    |
| SWPA6020S   | Fig.2 | 6.0±0.3 | 6.0±0.3 | 2.0Max. | 4.9±0.3 | 1.55±0.3 | 2.9±0.3  | 2.8    | 1.7    | 5.7    |
| SWPA6028S   | Fig.2 | 6.0±0.3 | 6.0±0.3 | 2.8Max. | 4.9±0.3 | 1.55±0.3 | 2.9±0.3  | 2.8    | 1.7    | 5.7    |
| SWPA6040S   | Fig.2 | 6.0±0.3 | 6.0±0.3 | 4.0Max. | 4.9±0.3 | 1.55±0.3 | 2.9±0.3  | 2.8    | 1.7    | 5.7    |
| SWPA6045S   | Fig.2 | 6.0±0.3 | 6.0±0.3 | 4.5Max. | 4.9±0.3 | 1.55±0.3 | 2.9±0.3  | 2.8    | 1.7    | 5.7    |
| SWPA8040S   | Fig.2 | 8.0±0.3 | 8.0±0.3 | 4.2Max. | 6.3±0.3 | 2.00±0.3 | 4.0±0.3  | 3.8    | 2.2    | 7.5    |

※\*1: All products are printed with Marking except the 252010S, 252012S, 3010S, 3012S and 3015S series.

## SWPA252010S Series

| Part Number<br>型号 | Inductance<br>电感量<br>@100kHz, 1V | DC Resistance<br>直流电阻 |       | Min.<br>Self-resonant<br>Frequency<br>自谐频率 | Saturation Current<br>直流重叠电流 |      | Heat Rating<br>Current<br>温升许容电流 |
|-------------------|----------------------------------|-----------------------|-------|--------------------------------------------|------------------------------|------|----------------------------------|
| -                 | -                                | Max.                  | Typ.  | Min.                                       | Max.                         | Typ. | Typ.                             |
| Units             | μH                               | Ω                     | Ω     | MHz                                        | A                            | A    | A                                |
| Symbol            | L                                | DCR                   |       | S.R.F                                      | Isat <sup>*3</sup>           |      | Irms <sup>*4</sup>               |
| SWPA252010SR47NT  | 0.47±30%                         | 0.056                 | 0.047 | 202                                        | 2.50                         | 3.35 | 2.35                             |
| SWPA252010SR68NT  | 0.68±30%                         | 0.074                 | 0.062 | 138                                        | 2.20                         | 2.75 | 2.00                             |
| SWPA252010S1R0NT  | 1.0±30%                          | 0.108                 | 0.090 | 100                                        | 1.85                         | 2.20 | 1.65                             |
| SWPA252010S1R5NT  | 1.5±30%                          | 0.182                 | 0.152 | 79                                         | 1.80                         | 2.10 | 1.30                             |
| SWPA252010S2R2NT  | 2.2±30%                          | 0.209                 | 0.174 | 61                                         | 1.20                         | 1.60 | 1.20                             |
| SWPA252010S3R3MT  | 3.3±20%                          | 0.328                 | 0.273 | 48                                         | 1.05                         | 1.30 | 0.90                             |
| SWPA252010S4R7MT  | 4.7±20%                          | 0.563                 | 0.469 | 40                                         | 0.95                         | 1.15 | 0.70                             |
| SWPA252010S6R8MT  | 6.8±20%                          | 0.896                 | 0.747 | 32                                         | 0.78                         | 0.92 | 0.59                             |
| SWPA252010S100MT  | 10±20%                           | 1.092                 | 0.910 | 26                                         | 0.65                         | 0.78 | 0.50                             |

## SWPA252012S Series

| Part Number<br>型号 | Inductance<br>电感量<br>@100kHz, 1V | DC Resistance<br>直流电阻 |       | Min.<br>Self-resonant<br>Frequency<br>自谐频率 | Saturation Current<br>直流重叠电流 |       | Heat Rating<br>Current<br>温升许容电流 |
|-------------------|----------------------------------|-----------------------|-------|--------------------------------------------|------------------------------|-------|----------------------------------|
| -                 | -                                | Max.                  | Typ.  | Min.                                       | Max.                         | -     | -                                |
| Units             | μH                               | Ω                     | Ω     | MHz                                        | A                            | Units | μH                               |
| Symbol            | L                                | DCR                   |       | S.R.F                                      | Isat <sup>*3</sup>           |       | Irms <sup>*4</sup>               |
| SWPA252012SR47NT  | 0.47±30%                         | 0.056                 | 0.047 | 160                                        | 3.82                         | 4.27  | 2.15                             |
| SWPA252012SR68NT  | 0.68±30%                         | 0.068                 | 0.057 | 140                                        | 3.28                         | 3.68  | 1.95                             |
| SWPA252012S1R0NT  | 1.0±30%                          | 0.083                 | 0.069 | 110                                        | 2.59                         | 2.90  | 1.93                             |
| SWPA252012S1R2NT  | 1.2±30%                          | 0.119                 | 0.099 | 100                                        | 2.38                         | 2.67  | 1.46                             |
| SWPA252012S1R5MT  | 1.5±20%                          | 0.136                 | 0.113 | 97                                         | 2.24                         | 2.51  | 1.40                             |
| SWPA252012S2R2MT  | 2.2±20%                          | 0.199                 | 0.166 | 69                                         | 1.85                         | 2.07  | 1.15                             |
| SWPA252012S2R7MT  | 2.7±20%                          | 0.221                 | 0.184 | 63                                         | 1.72                         | 1.92  | 1.09                             |
| SWPA252012S3R3MT  | 3.3±20%                          | 0.244                 | 0.203 | 62                                         | 1.61                         | 1.80  | 1.04                             |
| SWPA252012S3R6MT  | 3.6±20%                          | 0.322                 | 0.268 | 53                                         | 1.46                         | 1.64  | 0.90                             |
| SWPA252012S4R3MT  | 4.3±20%                          | 0.348                 | 0.290 | 51                                         | 1.37                         | 1.53  | 0.87                             |
| SWPA252012S4R7MT  | 4.7±20%                          | 0.348                 | 0.290 | 47                                         | 1.12                         | 1.25  | 0.84                             |
| SWPA252012S5R1MT  | 5.1±20%                          | 0.462                 | 0.385 | 44                                         | 1.23                         | 1.37  | 0.75                             |
| SWPA252012S5R6MT  | 5.6±20%                          | 0.497                 | 0.414 | 38                                         | 1.11                         | 1.25  | 0.73                             |
| SWPA252012S6R2MT  | 6.2±20%                          | 0.500                 | 0.417 | 38                                         | 1.03                         | 1.16  | 0.73                             |
| SWPA252012S6R8MT  | 6.8±20%                          | 0.536                 | 0.447 | 38                                         | 0.98                         | 1.09  | 0.69                             |
| SWPA252012S7R5MT  | 7.5±20%                          | 0.564                 | 0.470 | 35                                         | 0.97                         | 1.09  | 0.68                             |
| SWPA252012S8R2MT  | 8.2±20%                          | 0.607                 | 0.506 | 36                                         | 0.98                         | 1.10  | 0.65                             |
| SWPA252012S9R1MT  | 9.1±20%                          | 0.637                 | 0.531 | 34                                         | 0.91                         | 1.02  | 0.62                             |
| SWPA252012S100MT  | 10±20%                           | 0.637                 | 0.531 | 34                                         | 0.79                         | 0.88  | 0.62                             |
| SWPA252012S120MT  | 12±20%                           | 0.992                 | 0.827 | 28                                         | 0.78                         | 0.88  | 0.51                             |
| SWPA252012S150MT  | 15±20%                           | 1.469                 | 1.224 | 25                                         | 0.68                         | 0.77  | 0.42                             |
| SWPA252012S220MT  | 22±20%                           | 1.824                 | 1.520 | 20                                         | 0.53                         | 0.59  | 0.38                             |

## SWPA3010S Series

| Part Number<br>型号 | Inductance<br>电感量<br>@100kHz,1V | DC Resistance<br>直流电阻<br>(±30%) | Min.<br>Self-resonant<br>Frequency<br>自谐频率 | Saturation<br>Current<br>直流重叠电流 | Heat Rating<br>Current<br>温升许容电流 |
|-------------------|---------------------------------|---------------------------------|--------------------------------------------|---------------------------------|----------------------------------|
| Units             | μH                              | Ω                               | MHz                                        | A                               | A                                |
| Symbol            | L                               | DCR                             | S.R.F                                      | Isat <sup>*3</sup>              | Irms <sup>*4</sup>               |
| SWPA3010S1R0NT    | 1.0±30%                         | 0.065                           | 180                                        | 1.40                            | 1.45                             |
| SWPA3010S1R5NT    | 1.5±30%                         | 0.080                           | 120                                        | 1.27                            | 1.30                             |
| SWPA3010S2R2NT    | 2.2±30%                         | 0.110                           | 100                                        | 1.15                            | 1.09                             |
| SWPA3010S2R7NT    | 2.7±30%                         | 0.130                           | 90                                         | 1.00                            | 1.02                             |
| SWPA3010S3R3NT    | 3.3±30%                         | 0.145                           | 74                                         | 0.97                            | 0.96                             |
| SWPA3010S3R6MT    | 3.6±20%                         | 0.165                           | 67                                         | 0.95                            | 0.90                             |
| SWPA3010S4R7MT    | 4.7±20%                         | 0.225                           | 59                                         | 0.75                            | 0.77                             |
| SWPA3010S6R8MT    | 6.8±20%                         | 0.305                           | 42                                         | 0.55                            | 0.66                             |
| SWPA3010S100MT    | 10±20%                          | 0.400                           | 39                                         | 0.55                            | 0.58                             |
| SWPA3010S120MT    | 12±20%                          | 0.505                           | 36                                         | 0.43                            | 0.52                             |
| SWPA3010S150MT    | 15±20%                          | 0.610                           | 30                                         | 0.42                            | 0.47                             |
| SWPA3010S220MT    | 22±20%                          | 0.930                           | 28                                         | 0.35                            | 0.38                             |
| SWPA3010S270MT    | 27±20%                          | 1.080                           | 25                                         | 0.30                            | 0.35                             |
| SWPA3010S330MT    | 33±20%                          | 1.550                           | 18                                         | 0.29                            | 0.30                             |
| SWPA3010S390MT    | 39±20%                          | 1.750                           | 18                                         | 0.28                            | 0.28                             |
| SWPA3010S430MT    | 43±20%                          | 1.800                           | 18                                         | 0.23                            | 0.27                             |
| SWPA3010S470MT    | 47±20%                          | 1.950                           | 18                                         | 0.22                            | 0.26                             |
| SWPA3010S510MT    | 51±20%                          | 2.200                           | 18                                         | 0.21                            | 0.25                             |
| SWPA3010S560MT    | 56±20%                          | 2.320                           | 16                                         | 0.21                            | 0.24                             |

## SWPA3012S Series

| Part Number<br>型号 | Inductance<br>电感量<br>@100kHz,1V | DC Resistance<br>直流电阻<br>(±30%) | Min.<br>Self-resonant<br>Frequency<br>自谐频率 | Saturation<br>Current<br>直流重叠电流 | Heat Rating<br>Current<br>温升许容电流 |
|-------------------|---------------------------------|---------------------------------|--------------------------------------------|---------------------------------|----------------------------------|
| Units             | μH                              | Ω                               | MHz                                        | A                               | A                                |
| Symbol            | L                               | DCR                             | S.R.F                                      | Isat <sup>*3</sup>              | Irms <sup>*4</sup>               |
| SWPA3012SR82NT    | 0.82±30%                        | 0.030                           | 180                                        | 2.05                            | 2.47                             |
| SWPA3012S1R0NT    | 1.0±30%                         | 0.040                           | 120                                        | 1.87                            | 2.20                             |
| SWPA3012S1R2NT    | 1.2±30%                         | 0.045                           | 120                                        | 2.22                            | 2.01                             |
| SWPA3012S1R5NT    | 1.5±30%                         | 0.045                           | 110                                        | 1.62                            | 2.01                             |
| SWPA3012S1R8NT    | 1.8±20%                         | 0.063                           | 90                                         | 1.30                            | 1.65                             |
| SWPA3012S2R2NT    | 2.2±20%                         | 0.075                           | 84                                         | 1.20                            | 1.55                             |
| SWPA3012S2R4NT    | 2.4±20%                         | 0.068                           | 100                                        | 1.15                            | 1.60                             |
| SWPA3012S2R7NT    | 2.7±20%                         | 0.085                           | 65                                         | 1.14                            | 1.48                             |
| SWPA3012S3R3MT    | 3.3±20%                         | 0.100                           | 64                                         | 1.05                            | 1.36                             |
| SWPA3012S3R9MT    | 3.9±20%                         | 0.145                           | 61                                         | 1.00                            | 1.24                             |
| SWPA3012S4R7MT    | 4.7±20%                         | 0.120                           | 61                                         | 0.90                            | 1.24                             |
| SWPA3012S6R8MT    | 6.8±20%                         | 0.190                           | 61                                         | 0.75                            | 0.98                             |
| SWPA3012S100MT    | 10±20%                          | 0.265                           | 42                                         | 0.60                            | 0.83                             |
| SWPA3012S120MT    | 12±20%                          | 0.345                           | 32                                         | 0.48                            | 0.73                             |
| SWPA3012S150MT    | 15±20%                          | 0.360                           | 27                                         | 0.45                            | 0.71                             |
| SWPA3012S180MT    | 18±20%                          | 0.545                           | 25                                         | 0.43                            | 0.58                             |
| SWPA3012S220MT    | 22±20%                          | 0.645                           | 23                                         | 0.42                            | 0.53                             |
| SWPA3012S270MT    | 27±20%                          | 0.870                           | 21                                         | 0.35                            | 0.47                             |
| SWPA3012S330MT    | 33±20%                          | 0.875                           | 18                                         | 0.36                            | 0.46                             |
| SWPA3012S360MT    | 36±20%                          | 0.950                           | 18                                         | 0.34                            | 0.44                             |
| SWPA3012S390MT    | 39±20%                          | 1.330                           | 18                                         | 0.30                            | 0.37                             |
| SWPA3012S470MT    | 47±20%                          | 1.450                           | 14                                         | 0.27                            | 0.35                             |
| SWPA3012S680MT    | 68±20%                          | 1.670                           | 12                                         | 0.24                            | 0.33                             |

## SWPA3012S Series

| Part Number<br>型号 | Inductance<br>电感量<br>@100kHz,1V | DC Resistance<br>直流电阻<br>(±30%) | Min.<br>Self-resonant<br>Frequency<br>自谐频率 | Saturation<br>Current | Heat Rating<br>Current<br>温升许容电流 |
|-------------------|---------------------------------|---------------------------------|--------------------------------------------|-----------------------|----------------------------------|
| Units             | μH                              | Ω                               | MHz                                        | A                     | A                                |
| Symbol            | L                               | DCR                             | S.R.F                                      | Isat <sup>*3</sup>    | Irms <sup>*4</sup>               |
| SWPA3012S820MT    | 82±20%                          | 2.540                           | 12                                         | 0.17                  | 0.27                             |
| SWPA3012S101MT    | 100±20%                         | 2.860                           | 12                                         | 0.21                  | 0.25                             |

## SWPA3015S Series

| Part Number<br>型号 | Inductance<br>电感量<br>@100kHz,1V | DC Resistance<br>直流电阻<br>(±30%) | Min.<br>Self-resonant<br>Frequency<br>自谐频率 | Saturation<br>Current<br>直流重叠电流 | Heat Rating<br>Current<br>温升许容电流 |
|-------------------|---------------------------------|---------------------------------|--------------------------------------------|---------------------------------|----------------------------------|
| Units             | μH                              | Ω                               | MHz                                        | A                               | A                                |
| Symbol            | L                               | DCR                             | S.R.F                                      | Isat <sup>*3</sup>              | Irms <sup>*4</sup>               |
| SWPA3015S1R0NT    | 1.0±30%                         | 0.030                           | 150                                        | 2.32                            | 2.35                             |
| SWPA3015S1R2NT    | 1.2±30%                         | 0.040                           | 110                                        | 2.21                            | 1.95                             |
| SWPA3015S1R5NT    | 1.5±30%                         | 0.050                           | 100                                        | 2.30                            | 1.70                             |
| SWPA3015S1R8NT    | 1.8±30%                         | 0.050                           | 92                                         | 1.75                            | 1.70                             |
| SWPA3015S2R2NT    | 2.2±30%                         | 0.060                           | 86                                         | 1.60                            | 1.60                             |
| SWPA3015S2R7NT    | 2.7±30%                         | 0.075                           | 64                                         | 1.52                            | 1.43                             |
| SWPA3015S3R3MT    | 3.3±20%                         | 0.080                           | 68                                         | 1.32                            | 1.36                             |
| SWPA3015S3R6MT    | 3.6±20%                         | 0.105                           | 59                                         | 1.28                            | 1.20                             |
| SWPA3015S4R3MT    | 4.3±20%                         | 0.115                           | 53                                         | 1.20                            | 1.14                             |
| SWPA3015S4R7MT    | 4.7±20%                         | 0.125                           | 46                                         | 1.10                            | 1.09                             |
| SWPA3015S5R1MT    | 5.1±20%                         | 0.133                           | 49                                         | 1.00                            | 1.05                             |
| SWPA3015S6R2MT    | 6.2±20%                         | 0.195                           | 46                                         | 1.00                            | 0.86                             |
| SWPA3015S6R8MT    | 6.8±20%                         | 0.200                           | 39                                         | 0.85                            | 0.85                             |
| SWPA3015S100MT    | 10±20%                          | 0.250                           | 41                                         | 0.72                            | 0.77                             |
| SWPA3015S120MT    | 12±20%                          | 0.320                           | 32                                         | 0.70                            | 0.68                             |
| SWPA3015S150MT    | 15±20%                          | 0.350                           | 30                                         | 0.66                            | 0.65                             |
| SWPA3015S180MT    | 18±20%                          | 0.430                           | 23                                         | 0.56                            | 0.59                             |
| SWPA3015S220MT    | 22±20%                          | 0.460                           | 23                                         | 0.52                            | 0.57                             |
| SWPA3015S270MT    | 27±20%                          | 0.730                           | 22                                         | 0.48                            | 0.45                             |
| SWPA3015S330MT    | 33±20%                          | 0.820                           | 20                                         | 0.44                            | 0.43                             |
| SWPA3015S390MT    | 39±20%                          | 0.995                           | 14                                         | 0.41                            | 0.39                             |
| SWPA3015S430MT    | 43±20%                          | 1.060                           | 16                                         | 0.37                            | 0.37                             |
| SWPA3015S470MT    | 47±20%                          | 1.250                           | 14                                         | 0.35                            | 0.35                             |
| SWPA3015S560MT    | 56±20%                          | 1.280                           | 13                                         | 0.33                            | 0.34                             |
| SWPA3015S620MT    | 62±20%                          | 1.610                           | 13                                         | 0.30                            | 0.30                             |
| SWPA3015S680MT    | 68±20%                          | 2.700                           | 11                                         | 0.28                            | 0.23                             |

## SWPA4010S Series

| Part Number<br>型号 | Inductance<br>电感量<br>@100kHz,1V | DC Resistance<br>直流电阻<br>(±20%) | Min.<br>Self-resonant<br>Frequency<br>自谐频率 | Saturation<br>Current<br>直流重叠电流 | Heat Rating<br>Current<br>温升许容电流 |
|-------------------|---------------------------------|---------------------------------|--------------------------------------------|---------------------------------|----------------------------------|
| Units             | μH                              | Ω                               | MHz                                        | A                               | A                                |
| Symbol            | L                               | DCR                             | S.R.F                                      | Isat <sup>*3</sup>              | Irms <sup>*4</sup>               |
| SWPA4010S1R0NT    | 1.0±30%                         | 0.056                           | 116                                        | 2.00                            | 1.90                             |
| SWPA4010S1R5NT    | 1.5±30%                         | 0.070                           | 94                                         | 1.68                            | 1.70                             |
| SWPA4010S2R2MT    | 2.2±20%                         | 0.085                           | 73                                         | 1.20                            | 1.50                             |
| SWPA4010S3R3MT    | 3.3±20%                         | 0.100                           | 58                                         | 1.10                            | 1.40                             |
| SWPA4010S4R7MT    | 4.7±20%                         | 0.140                           | 47                                         | 0.95                            | 1.20                             |
| SWPA4010S6R8MT    | 6.8±20%                         | 0.200                           | 38                                         | 0.80                            | 1.00                             |

## SWPA4010S Series

| Part Number<br>型号 | Inductance<br>电感量<br>@100kHz, 1V | DC Resistance<br>直流电阻<br>(±20%) | Min.<br>Self-resonant<br>Frequency<br>自谐频率 | Saturation<br>Current<br>直流重叠电流 | Heat Rating<br>Current<br>温升许容电流 |
|-------------------|----------------------------------|---------------------------------|--------------------------------------------|---------------------------------|----------------------------------|
| Units             | μH                               | Ω                               | MHz                                        | A                               | A                                |
| Symbol            | L                                | DCR                             | S.R.F                                      | Isat <sup>*3</sup>              | Irms <sup>*4</sup>               |
| SWPA4010S100MT    | 10±20%                           | 0.300                           | 31                                         | 0.62                            | 0.75                             |
| SWPA4010S150MT    | 15±20%                           | 0.430                           | 24                                         | 0.54                            | 0.60                             |
| SWPA4010S220MT    | 22±20%                           | 0.570                           | 19                                         | 0.45                            | 0.50                             |

## SWPA4012S Series

| Part Number<br>型号 | Inductance<br>电感量<br>@100kHz, 1V | DC Resistance<br>直流电阻<br>(±30%) | Min.<br>Self-resonant<br>Frequency<br>自谐频率 | Saturation<br>Current<br>直流重叠电流 | Heat Rating<br>Current<br>温升许容电流 |
|-------------------|----------------------------------|---------------------------------|--------------------------------------------|---------------------------------|----------------------------------|
| Units             | μH                               | Ω                               | MHz                                        | A                               | A                                |
| Symbol            | L                                | DCR                             | S.R.F                                      | Isat <sup>*3</sup>              | Irms <sup>*4</sup>               |
| SWPA4012SR82NT    | 0.82±30%                         | 0.050                           | 150                                        | 3.02                            | 1.65                             |
| SWPA4012S1R0NT    | 1.0±30%                          | 0.050                           | 120                                        | 2.61                            | 1.65                             |
| SWPA4012S1R5NT    | 1.5±30%                          | 0.065                           | 90                                         | 2.10                            | 1.46                             |
| SWPA4012S1R8NT    | 1.8±30%                          | 0.080                           | 88                                         | 2.12                            | 1.32                             |
| SWPA4012S2R2NT    | 2.2±30%                          | 0.080                           | 74                                         | 1.76                            | 1.32                             |
| SWPA4012S2R7NT    | 2.7±30%                          | 0.090                           | 71                                         | 1.90                            | 1.25                             |
| SWPA4012S3R3NT    | 3.3±30%                          | 0.110                           | 60                                         | 1.72                            | 1.12                             |
| SWPA4012S3R6NT    | 3.6±30%                          | 0.110                           | 57                                         | 1.20                            | 1.12                             |
| SWPA4012S4R3NT    | 4.3±30%                          | 0.140                           | 54                                         | 1.58                            | 1.00                             |
| SWPA4012S4R7NT    | 4.7±30%                          | 0.125                           | 50                                         | 1.15                            | 1.05                             |
| SWPA4012S5R1NT    | 5.1±30%                          | 0.155                           | 50                                         | 1.55                            | 0.95                             |
| SWPA4012S5R6NT    | 5.6±30%                          | 0.140                           | 42                                         | 1.00                            | 1.00                             |
| SWPA4012S6R8MT    | 6.8±20%                          | 0.198                           | 40                                         | 0.85                            | 0.84                             |
| SWPA4012S100MT    | 10±20%                           | 0.265                           | 33                                         | 0.80                            | 0.77                             |
| SWPA4012S120MT    | 12±20%                           | 0.290                           | 32                                         | 0.66                            | 0.70                             |
| SWPA4012S150MT    | 15±20%                           | 0.340                           | 25                                         | 0.56                            | 0.64                             |
| SWPA4012S180MT    | 18±20%                           | 0.470                           | 23                                         | 0.55                            | 0.55                             |
| SWPA4012S220MT    | 22±20%                           | 0.587                           | 20                                         | 0.46                            | 0.49                             |
| SWPA4012S270MT    | 27±20%                           | 0.720                           | 18                                         | 0.50                            | 0.45                             |
| SWPA4012S330MT    | 33±20%                           | 0.810                           | 17                                         | 0.42                            | 0.42                             |
| SWPA4012S360MT    | 36±20%                           | 0.900                           | 14                                         | 0.40                            | 0.40                             |
| SWPA4012S390MT    | 39±20%                           | 1.100                           | 16                                         | 0.55                            | 0.37                             |
| SWPA4012S470MT    | 47±20%                           | 1.100                           | 12                                         | 0.35                            | 0.37                             |
| SWPA4012S560MT    | 56±20%                           | 1.250                           | 11                                         | 0.33                            | 0.33                             |
| SWPA4012S680MT    | 68±20%                           | 1.950                           | 11                                         | 0.38                            | 0.27                             |
| SWPA4012S820MT    | 82±20%                           | 2.140                           | 11                                         | 0.28                            | 0.26                             |
| SWPA4012S101MT    | 100±20%                          | 2.210                           | 9.4                                        | 0.25                            | 0.25                             |

## SWPA4018S Series

| Part Number<br>型号 | Inductance<br>电感量<br>@100kHz, 1V | DC Resistance<br>直流电阻<br>(±30%) | Min.<br>Self-resonant<br>Frequency<br>自谐频率 | Saturation<br>Current<br>直流重叠电流 | Heat Rating<br>Current<br>温升许容电流 |
|-------------------|----------------------------------|---------------------------------|--------------------------------------------|---------------------------------|----------------------------------|
| Units             | μH                               | Ω                               | MHz                                        | A                               | A                                |
| Symbol            | L                                | DCR                             | S.R.F                                      | Isat <sup>*3</sup>              | Irms <sup>*4</sup>               |
| SWPA4018S1R0NT    | 1.0±30%                          | 0.025                           | 80                                         | 4.80                            | 2.00                             |
| SWPA4018S1R5NT    | 1.5±30%                          | 0.030                           | 65                                         | 3.35                            | 1.80                             |
| SWPA4018S2R2MT    | 2.2±20%                          | 0.045                           | 52                                         | 2.70                            | 1.65                             |

## SWPA4018S Series

| Part Number<br>型号 | Inductance<br>电感量<br>@100kHz, 1V | DC Resistance<br>直流电阻<br>(±30%) | Min.<br>Self-resonant<br>Frequency<br>自谐频率 | Saturation<br>Current<br>直流重叠电流 | Heat Rating<br>Current<br>温升许容电流 |
|-------------------|----------------------------------|---------------------------------|--------------------------------------------|---------------------------------|----------------------------------|
| Units             | μH                               | Ω                               | MHz                                        | A                               | A                                |
| Symbol            | L                                | DCR                             | S.R.F                                      | Isat <sup>*3</sup>              | Irms <sup>*4</sup>               |
| SWPA4018S3R3MT    | 3.3±20%                          | 0.070                           | 44                                         | 2.45                            | 1.23                             |
| SWPA4018S4R7MT    | 4.7±20%                          | 0.090                           | 34                                         | 1.70                            | 1.20                             |
| SWPA4018S6R8MT    | 6.8±20%                          | 0.110                           | 29                                         | 1.45                            | 1.06                             |
| SWPA4018S100MT    | 10±20%                           | 0.180                           | 24                                         | 1.30                            | 0.84                             |
| SWPA4018S150MT    | 15±20%                           | 0.250                           | 19                                         | 0.94                            | 0.65                             |
| SWPA4018S220MT    | 22±20%                           | 0.360                           | 16                                         | 0.80                            | 0.59                             |
| SWPA4018S330MT    | 33±20%                           | 0.530                           | 12                                         | 0.56                            | 0.49                             |
| SWPA4018S470MT    | 47±20%                           | 0.650                           | 10                                         | 0.57                            | 0.42                             |
| SWPA4018S680MT    | 68±20%                           | 1.000                           | 8.3                                        | 0.47                            | 0.32                             |
| SWPA4018S101MT    | 100±20%                          | 1.750                           | 6.5                                        | 0.40                            | 0.25                             |
| SWPA4018S151MT    | 150±20%                          | 2.500                           | 5.5                                        | 0.31                            | 0.22                             |
| SWPA4018S221MT    | 220±20%                          | 4.000                           | 4.0                                        | 0.27                            | 0.17                             |

## SWPA4020S Series

| Part Number<br>型号 | Inductance<br>电感量<br>@100kHz, 1V | DC Resistance<br>直流电阻<br>(±30%) | Min.<br>Self-resonant<br>Frequency<br>自谐频率 | Saturation<br>Current<br>直流重叠电流 | Heat Rating<br>Current<br>温升许容电流 |
|-------------------|----------------------------------|---------------------------------|--------------------------------------------|---------------------------------|----------------------------------|
| Units             | μH                               | Ω                               | MHz                                        | A                               | A                                |
| Symbol            | L                                | DCR                             | S.R.F                                      | Isat <sup>*3</sup>              | Irms <sup>*4</sup>               |
| SWPA4020S1R0NT    | 1.0±30%                          | 0.029                           | 75                                         | 4.78                            | 2.15                             |
| SWPA4020S1R2NT    | 1.2±30%                          | 0.029                           | 72                                         | 5.10                            | 2.15                             |
| SWPA4020S1R5NT    | 1.5±30%                          | 0.035                           | 71                                         | 4.45                            | 1.98                             |
| SWPA4020S2R2NT    | 2.2±30%                          | 0.040                           | 49                                         | 3.40                            | 1.85                             |
| SWPA4020S3R3MT    | 3.3±20%                          | 0.070                           | 44                                         | 3.20                            | 1.40                             |
| SWPA4020S3R6MT    | 3.6±20%                          | 0.055                           | 49                                         | 2.80                            | 1.54                             |
| SWPA4020S4R7MT    | 4.7±20%                          | 0.075                           | 42                                         | 2.35                            | 1.34                             |
| SWPA4020S5R1MT    | 5.1±20%                          | 0.085                           | 42                                         | 2.30                            | 1.27                             |
| SWPA4020S5R6MT    | 5.6±20%                          | 0.090                           | 30                                         | 2.20                            | 1.22                             |
| SWPA4020S6R2MT    | 6.2±20%                          | 0.115                           | 36                                         | 2.15                            | 1.08                             |
| SWPA4020S6R8MT    | 6.8±20%                          | 0.125                           | 33                                         | 2.20                            | 1.04                             |
| SWPA4020S7R5MT    | 7.5±20%                          | 0.115                           | 30                                         | 1.85                            | 1.08                             |
| SWPA4020S8R2MT    | 8.2±20%                          | 0.125                           | 27                                         | 1.75                            | 1.04                             |
| SWPA4020S100MT    | 10±20%                           | 0.165                           | 26                                         | 1.60                            | 0.90                             |
| SWPA4020S120MT    | 12±20%                           | 0.175                           | 26                                         | 1.50                            | 0.88                             |
| SWPA4020S150MT    | 15±20%                           | 0.230                           | 24                                         | 1.35                            | 0.77                             |
| SWPA4020S220MT    | 22±20%                           | 0.350                           | 15                                         | 1.05                            | 0.62                             |
| SWPA4020S270MT    | 27±20%                           | 0.545                           | 14                                         | 1.02                            | 0.50                             |
| SWPA4020S330MT    | 33±20%                           | 0.550                           | 11                                         | 0.85                            | 0.49                             |
| SWPA4020S390MT    | 39±20%                           | 0.650                           | 11                                         | 0.82                            | 0.46                             |
| SWPA4020S430MT    | 43±20%                           | 0.660                           | 10                                         | 0.77                            | 0.45                             |
| SWPA4020S470MT    | 47±20%                           | 0.710                           | 10                                         | 0.74                            | 0.44                             |
| SWPA4020S510MT    | 51±20%                           | 0.750                           | 10                                         | 0.70                            | 0.42                             |
| SWPA4020S560MT    | 56±20%                           | 0.800                           | 10                                         | 0.66                            | 0.41                             |
| SWPA4020S620MT    | 62±20%                           | 0.900                           | 9.6                                        | 0.65                            | 0.39                             |
| SWPA4020S680MT    | 68±20%                           | 1.060                           | 7.7                                        | 0.61                            | 0.36                             |
| SWPA4020S750MT    | 75±20%                           | 1.160                           | 7.7                                        | 0.70                            | 0.35                             |
| SWPA4020S820MT    | 82±20%                           | 1.170                           | 7.2                                        | 0.50                            | 0.34                             |
| SWPA4020S101MT    | 100±20%                          | 1.550                           | 6.3                                        | 0.48                            | 0.31                             |

## SWPA4026S Series

| Part Number<br>型号 | Inductance<br>电感量<br>@100kHz, 1V | DC Resistance<br>直流电阻<br>(±30%) | Min.<br>Self-resonant<br>Frequency<br>自谐频率 | Saturation<br>Current<br>直流重叠电流 | Heat Rating<br>Current<br>温升许容电流 |
|-------------------|----------------------------------|---------------------------------|--------------------------------------------|---------------------------------|----------------------------------|
| Units             | μH                               | Ω                               | MHz                                        | A                               | A                                |
| Symbol            | L                                | DCR                             | S.R.F                                      | Isat <sup>*3</sup>              | Irms <sup>*4</sup>               |
| SWPA4026S1R2NT    | 1.2                              | 0.030                           | 120                                        | 3.10                            | 2.30                             |
| SWPA4026S1R5NT    | 1.5                              | 0.030                           | 100                                        | 2.40                            | 2.30                             |
| SWPA4026S2R2MT    | 2.2                              | 0.040                           | 96                                         | 2.10                            | 2.00                             |
| SWPA4026S3R3MT    | 3.3                              | 0.050                           | 58                                         | 1.80                            | 1.70                             |
| SWPA4026S4R7MT    | 4.7                              | 0.055                           | 46                                         | 1.45                            | 1.60                             |
| SWPA4026S6R8MT    | 6.8                              | 0.065                           | 33                                         | 1.30                            | 1.50                             |
| SWPA4026S100MT    | 10                               | 0.085                           | 26                                         | 1.00                            | 1.30                             |
| SWPA4026S150MT    | 15                               | 0.110                           | 19                                         | 0.90                            | 1.10                             |
| SWPA4026S220MT    | 22                               | 0.165                           | 13                                         | 0.60                            | 0.90                             |
| SWPA4026S330MT    | 33                               | 0.270                           | 9                                          | 0.55                            | 0.70                             |
| SWPA4026S470MT    | 47                               | 0.300                           | 6                                          | 0.40                            | 0.65                             |

## SWPA4030S Series

| Part Number<br>型号 | Inductance<br>电感量<br>@100kHz, 1V | DC Resistance<br>直流电阻<br>(±30%) | Min.<br>Self-resonant<br>Frequency<br>自谐频率 | Saturation<br>Current<br>直流重叠电流 | Heat Rating<br>Current<br>温升许容电流 |
|-------------------|----------------------------------|---------------------------------|--------------------------------------------|---------------------------------|----------------------------------|
| Units             | μH                               | Ω                               | MHz                                        | A                               | A                                |
| Symbol            | L                                | DCR                             | S.R.F                                      | Isat <sup>*3</sup>              | Irms <sup>*4</sup>               |
| SWPA4030SR91NT    | 0.91±30%                         | 0.013                           | 100                                        | 6.25                            | 4.00                             |
| SWPA4030S1R2NT    | 1.2±30%                          | 0.015                           | 80                                         | 5.80                            | 3.82                             |
| SWPA4030S1R5NT    | 1.5±30%                          | 0.020                           | 62                                         | 4.84                            | 3.34                             |
| SWPA4030S1R8NT    | 1.8±30%                          | 0.028                           | 60                                         | 4.80                            | 3.00                             |
| SWPA4030S2R2NT    | 2.2±30%                          | 0.030                           | 52                                         | 4.40                            | 2.95                             |
| SWPA4030S3R3MT    | 3.3±20%                          | 0.040                           | 38                                         | 3.30                            | 2.40                             |
| SWPA4030S4R3MT    | 4.3±20%                          | 0.055                           | 37                                         | 2.95                            | 2.10                             |
| SWPA4030S4R7MT    | 4.7±20%                          | 0.060                           | 31                                         | 2.90                            | 2.00                             |
| SWPA4030S5R6MT    | 5.6±20%                          | 0.065                           | 30                                         | 2.60                            | 1.95                             |
| SWPA4030S6R8MT    | 6.8±20%                          | 0.090                           | 24                                         | 2.75                            | 1.60                             |
| SWPA4030S7R5MT    | 7.5±20%                          | 0.085                           | 26                                         | 2.20                            | 1.65                             |
| SWPA4030S8R2MT    | 8.2±20%                          | 0.090                           | 26                                         | 2.10                            | 1.60                             |
| SWPA4030S100MT    | 10±20%                           | 0.100                           | 21                                         | 1.95                            | 1.50                             |
| SWPA4030S120MT    | 12±20%                           | 0.135                           | 18                                         | 1.70                            | 1.30                             |
| SWPA4030S150MT    | 15±20%                           | 0.190                           | 16                                         | 1.65                            | 1.11                             |
| SWPA4030S180MT    | 18±20%                           | 0.200                           | 10                                         | 1.40                            | 1.10                             |
| SWPA4030S220MT    | 22±20%                           | 0.225                           | 10                                         | 1.30                            | 1.00                             |
| SWPA4030S330MT    | 33±20%                           | 0.330                           | 10                                         | 1.10                            | 0.84                             |
| SWPA4030S360MT    | 36±20%                           | 0.335                           | 9.8                                        | 1.05                            | 0.83                             |
| SWPA4030S390MT    | 39±20%                           | 0.435                           | 10                                         | 1.03                            | 0.73                             |
| SWPA4030S470MT    | 47±20%                           | 0.445                           | 8.4                                        | 0.95                            | 0.72                             |
| SWPA4030S510MT    | 51±20%                           | 0.470                           | 8.4                                        | 0.90                            | 0.70                             |
| SWPA4030S560MT    | 56±20%                           | 0.555                           | 8.4                                        | 0.85                            | 0.65                             |
| SWPA4030S620MT    | 62±20%                           | 0.585                           | 7                                          | 0.80                            | 0.63                             |
| SWPA4030S680MT    | 68±20%                           | 0.868                           | 7                                          | 0.72                            | 0.52                             |
| SWPA4030S750MT    | 75±20%                           | 1.020                           | 6.3                                        | 0.70                            | 0.48                             |
| SWPA4030S820MT    | 82±20%                           | 1.060                           | 5.6                                        | 0.66                            | 0.47                             |
| SWPA4030S910MT    | 91±20%                           | 1.100                           | 5.6                                        | 0.65                            | 0.46                             |
| SWPA4030S101MT    | 100±20%                          | 1.150                           | 5.6                                        | 0.60                            | 0.45                             |
| SWPA4030S121MT    | 120±20%                          | 1.350                           | 5.4                                        | 0.55                            | 0.42                             |

## SWPA5012S Series

| Part Number<br>型号 | Inductance<br>电感量<br>@100kHz, 1V | DC Resistance<br>直流电阻<br>(±30%) | Min.<br>Self-resonant<br>Frequency<br>自谐频率 | Saturation<br>Current<br>直流重叠电流 | Heat Rating<br>Current<br>温升许容电流 |
|-------------------|----------------------------------|---------------------------------|--------------------------------------------|---------------------------------|----------------------------------|
| Units             | μH                               | Ω                               | MHz                                        | A                               | A                                |
| Symbol            | L                                | DCR                             | S.R.F                                      | Isat <sup>*3</sup>              | Irms <sup>*4</sup>               |
| SWPA5012S1R0NT    | 1.0                              | 0.057                           | 103                                        | 4.40                            | 2.40                             |
| SWPA5012S1R5NT    | 1.5                              | 0.072                           | 69                                         | 3.70                            | 2.25                             |
| SWPA5012S2R2NT    | 2.2                              | 0.090                           | 51                                         | 3.10                            | 2.00                             |
| SWPA5012S3R3NT    | 3.3                              | 0.126                           | 35                                         | 2.45                            | 1.70                             |
| SWPA5012S4R7NT    | 4.7                              | 0.164                           | 32                                         | 2.20                            | 1.50                             |
| SWPA5012S6R8MT    | 6.8                              | 0.245                           | 24                                         | 1.75                            | 1.25                             |
| SWPA5012S100MT    | 10                               | 0.344                           | 20                                         | 1.40                            | 1.05                             |
| SWPA5012S150MT    | 15                               | 0.436                           | 13                                         | 1.25                            | 0.92                             |

## SWPA5020S Series

| Part Number<br>型号 | Inductance<br>电感量<br>@100kHz, 1V | DC Resistance<br>直流电阻<br>(±20%) | Min.<br>Self-resonant<br>Frequency<br>自谐频率 | Saturation<br>Current<br>直流重叠电流 | Heat Rating<br>Current<br>温升许容电流 |
|-------------------|----------------------------------|---------------------------------|--------------------------------------------|---------------------------------|----------------------------------|
| Units             | μH                               | Ω                               | MHz                                        | A                               | A                                |
| Symbol            | L                                | DCR                             | S.R.F                                      | Isat <sup>*3</sup>              | Irms <sup>*4</sup>               |
| SWPA5020SR47NT    | 0.47±30%                         | 0.013                           | 160                                        | 6.15                            | 4.60                             |
| SWPA5020SR75NT    | 0.75±30%                         | 0.017                           | 117                                        | 5.50                            | 4.00                             |
| SWPA5020S1R0NT    | 1.0±30%                          | 0.020                           | 114                                        | 4.10                            | 3.80                             |
| SWPA5020S1R2NT    | 1.2±30%                          | 0.022                           | 83                                         | 4.50                            | 3.55                             |
| SWPA5020S1R5NT    | 1.5±30%                          | 0.026                           | 68                                         | 4.10                            | 3.20                             |
| SWPA5020S2R2NT    | 2.2±30%                          | 0.032                           | 57                                         | 3.20                            | 2.90                             |
| SWPA5020S2R7NT    | 2.7±30%                          | 0.038                           | 52                                         | 2.90                            | 2.70                             |
| SWPA5020S3R0NT    | 3.0±30%                          | 0.038                           | 49                                         | 2.55                            | 2.70                             |
| SWPA5020S3R3NT    | 3.3±30%                          | 0.043                           | 46                                         | 2.55                            | 2.50                             |
| SWPA5020S3R6NT    | 3.6±30%                          | 0.043                           | 43                                         | 2.80                            | 2.50                             |
| SWPA5020S3R9NT    | 3.9±30%                          | 0.043                           | 40                                         | 2.30                            | 2.50                             |
| SWPA5020S4R3MT    | 4.3±20%                          | 0.057                           | 37                                         | 2.50                            | 2.20                             |
| SWPA5020S4R7MT    | 4.7±20%                          | 0.057                           | 37                                         | 2.50                            | 2.20                             |
| SWPA5020S5R1MT    | 5.1±20%                          | 0.064                           | 32                                         | 2.25                            | 2.05                             |
| SWPA5020S5R6MT    | 5.6±20%                          | 0.064                           | 32                                         | 2.30                            | 2.05                             |
| SWPA5020S6R8MT    | 6.8±20%                          | 0.083                           | 30                                         | 2.05                            | 1.80                             |
| SWPA5020S7R5MT    | 7.5±20%                          | 0.090                           | 26                                         | 1.85                            | 1.75                             |
| SWPA5020S8R2MT    | 8.2±20%                          | 0.098                           | 26                                         | 1.85                            | 1.65                             |
| SWPA5020S9R1MT    | 9.1±20%                          | 0.110                           | 24                                         | 1.70                            | 1.55                             |
| SWPA5020S100MT    | 10±20%                           | 0.110                           | 24                                         | 1.70                            | 1.55                             |
| SWPA5020S120MT    | 12±20%                           | 0.140                           | 22                                         | 1.50                            | 1.40                             |
| SWPA5020S150MT    | 15±20%                           | 0.165                           | 20                                         | 1.35                            | 1.25                             |
| SWPA5020S180MT    | 18±20%                           | 0.200                           | 16                                         | 1.25                            | 1.15                             |
| SWPA5020S220MT    | 22±20%                           | 0.226                           | 14                                         | 1.15                            | 1.10                             |

## SWPA5040S Series

| Part Number<br>型号 | Inductance<br>电感量<br>@100kHz, 1V | DC Resistance<br>直流电阻<br>( $\pm 20\%$ ) | Min.<br>Self-resonant<br>Frequency<br>自谐频率 | Saturation<br>Current<br>直流重叠电流 | Heat Rating<br>Current<br>温升许容电流 |
|-------------------|----------------------------------|-----------------------------------------|--------------------------------------------|---------------------------------|----------------------------------|
| Units             | $\mu\text{H}$                    | $\Omega$                                | MHz                                        | A                               | A                                |
| Symbol            | L                                | DCR                                     | S.R.F                                      | $I_{\text{sat}}^{*3}$           | $I_{\text{rms}}^{*4}$            |
| SWPA5040S1R0NT    | 1.0 $\pm 30\%$                   | 0.012                                   | 117                                        | 7.35                            | 4.90                             |
| SWPA5040S1R5NT    | 1.5 $\pm 30\%$                   | 0.015                                   | 86                                         | 6.30                            | 4.30                             |
| SWPA5040S2R2NT    | 2.2 $\pm 30\%$                   | 0.019                                   | 50                                         | 4.90                            | 3.80                             |
| SWPA5040S2R7NT    | 2.7 $\pm 30\%$                   | 0.022                                   | 37                                         | 4.30                            | 3.60                             |
| SWPA5040S3R3NT    | 3.3 $\pm 30\%$                   | 0.024                                   | 32                                         | 3.95                            | 3.40                             |
| SWPA5040S3R9NT    | 3.9 $\pm 30\%$                   | 0.027                                   | 29                                         | 3.55                            | 3.20                             |
| SWPA5040S4R7NT    | 4.7 $\pm 30\%$                   | 0.030                                   | 28                                         | 3.50                            | 3.00                             |
| SWPA5040S6R8MT    | 6.8 $\pm 20\%$                   | 0.043                                   | 21                                         | 2.90                            | 2.50                             |
| SWPA5040S100MT    | 10 $\pm 20\%$                    | 0.064                                   | 18                                         | 2.35                            | 2.10                             |
| SWPA5040S150MT    | 15 $\pm 20\%$                    | 0.086                                   | 13                                         | 2.00                            | 2.00                             |
| SWPA5040S220MT    | 22 $\pm 20\%$                    | 0.129                                   | 11                                         | 1.60                            | 1.50                             |
| SWPA5040S330MT    | 33 $\pm 20\%$                    | 0.188                                   | 9.1                                        | 1.30                            | 1.20                             |
| SWPA5040S470MT    | 47 $\pm 20\%$                    | 0.272                                   | 6.7                                        | 1.10                            | 1.00                             |
| SWPA5040S680MT    | 68 $\pm 20\%$                    | 0.400                                   | 5.7                                        | 0.90                            | 0.80                             |
| SWPA5040S101MT    | 100 $\pm 20\%$                   | 0.560                                   | 4.7                                        | 0.75                            | 0.70                             |

## SWPA6020S Series

| Part Number<br>型号 | Inductance<br>电感量<br>@100kHz, 1V | DC Resistance<br>直流电阻<br>( $\pm 30\%$ ) | Min.<br>Self-resonant<br>Frequency<br>自谐频率 | Saturation<br>Current<br>直流重叠电流 | Heat Rating<br>Current<br>温升许容电流 |
|-------------------|----------------------------------|-----------------------------------------|--------------------------------------------|---------------------------------|----------------------------------|
| Units             | $\mu\text{H}$                    | $\Omega$                                | MHz                                        | A                               | A                                |
| Symbol            | L                                | DCR                                     | S.R.F                                      | $I_{\text{sat}}^{*3}$           | $I_{\text{rms}}^{*4}$            |
| SWPA6020SR50NT    | 0.50 $\pm 30\%$                  | 0.014                                   | 120                                        | 4.50                            | 3.30                             |
| SWPA6020SR68NT    | 0.68 $\pm 30\%$                  | 0.017                                   | 115                                        | 6.55                            | 3.80                             |
| SWPA6020SR82NT    | 0.82 $\pm 30\%$                  | 0.017                                   | 110                                        | 5.30                            | 3.80                             |
| SWPA6020S1R0NT    | 1.0 $\pm 30\%$                   | 0.020                                   | 100                                        | 4.15                            | 3.50                             |
| SWPA6020S1R2NT    | 1.2 $\pm 30\%$                   | 0.022                                   | 88                                         | 5.90                            | 3.20                             |
| SWPA6020S1R5NT    | 1.5 $\pm 30\%$                   | 0.022                                   | 79                                         | 4.25                            | 3.20                             |
| SWPA6020S1R8NT    | 1.8 $\pm 30\%$                   | 0.028                                   | 68                                         | 4.85                            | 2.75                             |
| SWPA6020S2R0NT    | 2.0 $\pm 30\%$                   | 0.035                                   | 65                                         | 4.10                            | 2.60                             |
| SWPA6020S2R2NT    | 2.2 $\pm 30\%$                   | 0.028                                   | 61                                         | 3.75                            | 2.75                             |
| SWPA6020S2R7NT    | 2.7 $\pm 30\%$                   | 0.035                                   | 56                                         | 3.90                            | 2.60                             |
| SWPA6020S3R3NT    | 3.3 $\pm 30\%$                   | 0.035                                   | 51                                         | 3.15                            | 2.60                             |
| SWPA6020S3R9NT    | 3.9 $\pm 30\%$                   | 0.049                                   | 45                                         | 3.25                            | 2.10                             |
| SWPA6020S4R3NT    | 4.3 $\pm 30\%$                   | 0.049                                   | 44                                         | 2.70                            | 2.10                             |
| SWPA6020S4R7NT    | 4.7 $\pm 30\%$                   | 0.058                                   | 41                                         | 3.00                            | 2.00                             |
| SWPA6020S5R6NT    | 5.6 $\pm 30\%$                   | 0.058                                   | 36                                         | 2.40                            | 1.90                             |
| SWPA6020S6R2NT    | 6.2 $\pm 30\%$                   | 0.079                                   | 31                                         | 2.30                            | 1.80                             |
| SWPA6020S6R8NT    | 6.8 $\pm 30\%$                   | 0.079                                   | 31                                         | 2.20                            | 1.80                             |
| SWPA6020S8R2NT    | 8.2 $\pm 20\%$                   | 0.105                                   | 27                                         | 2.10                            | 1.40                             |
| SWPA6020S100MT    | 10 $\pm 20\%$                    | 0.105                                   | 27                                         | 1.75                            | 1.40                             |
| SWPA6020S120MT    | 12 $\pm 20\%$                    | 0.120                                   | 25                                         | 1.45                            | 1.30                             |
| SWPA6020S150MT    | 15 $\pm 20\%$                    | 0.145                                   | 21                                         | 1.20                            | 1.20                             |
| SWPA6020S180MT    | 18 $\pm 20\%$                    | 0.180                                   | 18                                         | 1.20                            | 1.08                             |
| SWPA6020S220MT    | 22 $\pm 20\%$                    | 0.204                                   | 16                                         | 1.05                            | 1.00                             |

## SWPA6028S Series

| Part Number<br>型号 | Inductance<br>电感量<br>@100kHz, 1V | DC Resistance<br>直流电阻<br>(±30%) | Min.<br>Self-resonant<br>Frequency<br>自谐频率 | Saturation<br>Current<br>直流重叠电流 | Heat Rating<br>Current<br>温升许容电流 |
|-------------------|----------------------------------|---------------------------------|--------------------------------------------|---------------------------------|----------------------------------|
| Units             | μH                               | Ω                               | MHz                                        | A                               | A                                |
| Symbol            | L                                | DCR                             | S.R.F                                      | Isat <sup>*3</sup>              | Irms <sup>*4</sup>               |
| SWPA6028S1R0NT    | 1.0±30%                          | 0.010                           | 70                                         | 5.75                            | 5.20                             |
| SWPA6028S1R5NT    | 1.5±30%                          | 0.013                           | 65                                         | 6.00                            | 4.58                             |
| SWPA6028S2R2NT    | 2.2±30%                          | 0.020                           | 48                                         | 5.10                            | 3.75                             |
| SWPA6028S2R7NT    | 2.7±30%                          | 0.020                           | 48                                         | 3.80                            | 3.75                             |
| SWPA6028S3R3NT    | 3.3±30%                          | 0.025                           | 41                                         | 4.15                            | 3.48                             |
| SWPA6028S4R7NT    | 4.7±30%                          | 0.030                           | 35                                         | 3.00                            | 3.08                             |
| SWPA6028S5R1NT    | 5.1±30%                          | 0.043                           | 32                                         | 3.20                            | 2.60                             |
| SWPA6028S6R2MT    | 6.2±20%                          | 0.047                           | 30                                         | 3.05                            | 2.40                             |
| SWPA6028S6R8MT    | 6.8±20%                          | 0.047                           | 27                                         | 2.60                            | 2.40                             |
| SWPA6028S8R2MT    | 8.2±20%                          | 0.055                           | 24                                         | 2.30                            | 2.25                             |
| SWPA6028S9R1MT    | 9.1±20%                          | 0.074                           | 24                                         | 2.55                            | 2.15                             |
| SWPA6028S100MT    | 10±20%                           | 0.072                           | 23                                         | 2.04                            | 1.95                             |
| SWPA6028S120MT    | 12±20%                           | 0.080                           | 18                                         | 1.80                            | 1.85                             |
| SWPA6028S150MT    | 15±20%                           | 0.125                           | 18                                         | 1.75                            | 1.45                             |
| SWPA6028S180MT    | 18±20%                           | 0.120                           | 15                                         | 1.52                            | 1.45                             |
| SWPA6028S220MT    | 22±20%                           | 0.140                           | 14                                         | 1.45                            | 1.40                             |
| SWPA6028S270MT    | 27±20%                           | 0.155                           | 13                                         | 1.50                            | 1.32                             |
| SWPA6028S330MT    | 33±20%                           | 0.185                           | 12                                         | 1.35                            | 1.22                             |
| SWPA6028S360MT    | 36±20%                           | 0.215                           | 11                                         | 1.25                            | 1.13                             |
| SWPA6028S390MT    | 39±20%                           | 0.225                           | 11                                         | 1.25                            | 1.10                             |
| SWPA6028S470MT    | 47±20%                           | 0.315                           | 9.5                                        | 1.15                            | 1.06                             |
| SWPA6028S680MT    | 68±20%                           | 0.360                           | 7.7                                        | 0.80                            | 0.86                             |
| SWPA6028S750MT    | 75±20%                           | 0.410                           | 7.7                                        | 0.90                            | 0.81                             |
| SWPA6028S820MT    | 82±20%                           | 0.500                           | 7.7                                        | 0.80                            | 0.70                             |
| SWPA6028S101MT    | 100±20%                          | 0.500                           | 7.1                                        | 0.65                            | 0.70                             |

## SWPA6040S Series

| Part Number<br>型号 | Inductance<br>电感量<br>@100kHz, 1V | DC Resistance<br>直流电阻<br>(±30%) | Min.<br>Self-resonant<br>Frequency<br>自谐频率 | Saturation<br>Current<br>直流重叠电流 | Heat Rating<br>Current<br>温升许容电流 |
|-------------------|----------------------------------|---------------------------------|--------------------------------------------|---------------------------------|----------------------------------|
| Units             | μH                               | Ω                               | MHz                                        | A                               | A                                |
| Symbol            | L                                | DCR                             | S.R.F                                      | Isat <sup>*3</sup>              | Irms <sup>*4</sup>               |
| SWPA6040S330KT    | 33±10%                           | 0.137                           | 7.8                                        | 1.65                            | 1.45                             |

## SWPA6045S Series

| Part Number<br>型号 | Inductance<br>电感量<br>@100kHz, 1V | DC Resistance<br>直流电阻<br>(±30%) | Min.<br>Self-resonant<br>Frequency<br>自谐频率 | Saturation<br>Current<br>直流重叠电流 | Heat Rating<br>Current<br>温升许容电流 |
|-------------------|----------------------------------|---------------------------------|--------------------------------------------|---------------------------------|----------------------------------|
| Units             | μH                               | Ω                               | MHz                                        | A                               | A                                |
| Symbol            | L                                | DCR                             | S.R.F                                      | Isat <sup>*3</sup>              | Irms <sup>*4</sup>               |
| SWPA6045SR82NT    | 0.82±30%                         | 0.008                           | 140                                        | 10.40                           | 5.90                             |
| SWPA6045S1R0NT    | 1.0±30%                          | 0.011                           | 100                                        | 9.85                            | 5.14                             |
| SWPA6045S1R2NT    | 1.2±30%                          | 0.010                           | 100                                        | 8.35                            | 5.40                             |
| SWPA6045S1R5NT    | 1.5±30%                          | 0.012                           | 65                                         | 8.80                            | 4.95                             |
| SWPA6045S1R8NT    | 1.8±30%                          | 0.012                           | 74                                         | 7.60                            | 4.95                             |
| SWPA6045S2R2NT    | 2.2±30%                          | 0.014                           | 52                                         | 6.75                            | 4.60                             |
| SWPA6045S2R3NT    | 2.3±30%                          | 0.021                           | 60                                         | 6.00                            | 3.50                             |
| SWPA6045S2R7NT    | 2.7±30%                          | 0.015                           | 38                                         | 5.75                            | 4.30                             |

## SWPA6045S Series

| Part Number<br>型号 | Inductance<br>电感量<br>@100kHz, 1V | DC Resistance<br>直流电阻<br>(±30%) | Min.<br>Self-resonant<br>Frequency<br>自谐频率 | Saturation<br>Current<br>直流重叠电流 | Heat Rating<br>Current<br>温升许容电流 |
|-------------------|----------------------------------|---------------------------------|--------------------------------------------|---------------------------------|----------------------------------|
| Units             | μH                               | Ω                               | MHz                                        | A                               | A                                |
| Symbol            | L                                | DCR                             | S.R.F                                      | Isat <sup>*3</sup>              | Irms <sup>*4</sup>               |
| SWPA6045S3R0NT    | 3.0±30%                          | 0.020                           | 35                                         | 5.60                            | 3.80                             |
| SWPA6045S3R3NT    | 3.3±30%                          | 0.021                           | 32                                         | 5.90                            | 3.70                             |
| SWPA6045S3R6NT    | 3.6±30%                          | 0.021                           | 28                                         | 5.25                            | 3.70                             |
| SWPA6045S4R3MT    | 4.3±20%                          | 0.023                           | 23                                         | 4.45                            | 3.50                             |
| SWPA6045S4R7MT    | 4.7±20%                          | 0.026                           | 24                                         | 4.97                            | 3.30                             |
| SWPA6045S5R1MT    | 5.1±20%                          | 0.026                           | 23                                         | 4.40                            | 3.30                             |
| SWPA6045S5R6MT    | 5.6±20%                          | 0.029                           | 23                                         | 4.15                            | 3.15                             |
| SWPA6045S6R2MT    | 6.2±20%                          | 0.031                           | 26                                         | 4.43                            | 3.00                             |
| SWPA6045S6R8MT    | 6.8±20%                          | 0.031                           | 20                                         | 3.90                            | 3.00                             |
| SWPA6045S7R5MT    | 7.5±20%                          | 0.034                           | 18                                         | 3.50                            | 2.90                             |
| SWPA6045S8R2MT    | 8.2±20%                          | 0.043                           | 21                                         | 3.90                            | 2.60                             |
| SWPA6045S9R1MT    | 9.1±20%                          | 0.043                           | 17                                         | 3.35                            | 2.60                             |
| SWPA6045S100MT    | 10±20%                           | 0.048                           | 15                                         | 3.20                            | 2.45                             |
| SWPA6045S120MT    | 12±20%                           | 0.058                           | 13                                         | 2.80                            | 2.20                             |
| SWPA6045S150MT    | 15±20%                           | 0.068                           | 12                                         | 2.50                            | 2.05                             |
| SWPA6045S180MT    | 18±20%                           | 0.081                           | 10                                         | 2.20                            | 1.85                             |
| SWPA6045S220MT    | 22±20%                           | 0.089                           | 10                                         | 2.05                            | 1.80                             |
| SWPA6045S270MT    | 27±20%                           | 0.102                           | 9.2                                        | 1.90                            | 1.65                             |
| SWPA6045S300MT    | 30±20%                           | 0.132                           | 7.8                                        | 1.70                            | 1.50                             |
| SWPA6045S330MT    | 33±20%                           | 0.137                           | 7.8                                        | 1.65                            | 1.45                             |
| SWPA6045S360MT    | 36±20%                           | 0.173                           | 7.8                                        | 1.62                            | 1.40                             |
| SWPA6045S390MT    | 39±20%                           | 0.180                           | 7.8                                        | 1.50                            | 1.25                             |
| SWPA6045S430MT    | 43±20%                           | 0.200                           | 7.7                                        | 1.63                            | 1.20                             |
| SWPA6045S470MT    | 47±20%                           | 0.200                           | 6.4                                        | 1.40                            | 1.20                             |
| SWPA6045S510MT    | 51±20%                           | 0.207                           | 6.4                                        | 1.35                            | 1.15                             |
| SWPA6045S560MT    | 56±20%                           | 0.221                           | 6.4                                        | 1.30                            | 1.10                             |
| SWPA6045S620MT    | 62±20%                           | 0.235                           | 6.4                                        | 1.25                            | 1.10                             |
| SWPA6045S680MT    | 68±20%                           | 0.289                           | 6.4                                        | 1.20                            | 1.00                             |
| SWPA6045S750MT    | 75±20%                           | 0.305                           | 5.0                                        | 1.15                            | 0.95                             |
| SWPA6045S820MT    | 82±20%                           | 0.341                           | 4.9                                        | 1.05                            | 0.90                             |
| SWPA6045S910MT    | 91±20%                           | 0.359                           | 4.9                                        | 1.00                            | 0.85                             |
| SWPA6045S101MT    | 100±20%                          | 0.433                           | 4.2                                        | 0.95                            | 0.80                             |
| SWPA6045S121MT    | 120±20%                          | 0.484                           | 4.2                                        | 0.85                            | 0.77                             |
| SWPA6045S151MT    | 150±20%                          | 0.580                           | 4.2                                        | 0.80                            | 0.70                             |
| SWPA6045S221MT    | 220±20%                          | 0.834                           | 3.5                                        | 0.70                            | 0.59                             |
| SWPA6045S331MT    | 330±20%                          | 1.270                           | 2.8                                        | 0.57                            | 0.57                             |

## SWPA8040S Series

| Part Number<br>型号 | Inductance<br>电感量<br>@100kHz, 1V | DC Resistance<br>直流电阻<br>(±30%) | Min.<br>Self-resonant<br>Frequency<br>自谐频率 | Saturation<br>Current<br>直流重叠电流 | Heat Rating<br>Current<br>温升许容电流 |
|-------------------|----------------------------------|---------------------------------|--------------------------------------------|---------------------------------|----------------------------------|
| Units             | μH                               | Ω                               | MHz                                        | A                               | A                                |
| Symbol            | L                                | DCR                             | S.R.F                                      | Isat <sup>*3</sup>              | Irms <sup>*4</sup>               |
| SWPA8040SR82NT    | 0.82±30%                         | 0.008                           | 94                                         | 13.8                            | 6.30                             |
| SWPA8040S1R0NT    | 1.0±30%                          | 0.008                           | 89                                         | 9.85                            | 6.30                             |
| SWPA8040S1R5NT    | 1.5±30%                          | 0.010                           | 67                                         | 8.15                            | 5.65                             |
| SWPA8040S2R0NT    | 2.0±30%                          | 0.012                           | 43                                         | 9.25                            | 5.15                             |
| SWPA8040S2R2NT    | 2.2±30%                          | 0.012                           | 41                                         | 7.10                            | 5.15                             |
| SWPA8040S3R0NT    | 3.0±30%                          | 0.014                           | 32                                         | 6.10                            | 4.70                             |

## SWPA8040S Series

| Part Number<br>型号 | Inductance<br>电感量<br>@100kHz, 1V | DC Resistance<br>直流电阻<br>(±30%) | Min.<br>Self-resonant<br>Frequency<br>自谐频率 | Saturation<br>Current<br>直流重叠电流 | Heat Rating<br>Current<br>温升许容电流 |
|-------------------|----------------------------------|---------------------------------|--------------------------------------------|---------------------------------|----------------------------------|
| Units             | μH                               | Ω                               | MHz                                        | A                               | A                                |
| Symbol            | L                                | DCR                             | S.R.F                                      | Isat <sup>*3</sup>              | Irms <sup>*4</sup>               |
| SWPA8040S3R3NT    | 3.3±30%                          | 0.017                           | 27                                         | 6.50                            | 4.40                             |
| SWPA8040S3R6NT    | 3.6±30%                          | 0.017                           | 30                                         | 7.52                            | 4.35                             |
| SWPA8040S3R9NT    | 3.9±30%                          | 0.017                           | 26                                         | 5.75                            | 4.35                             |
| SWPA8040S4R7NT    | 4.7±30%                          | 0.019                           | 24                                         | 5.90                            | 4.10                             |
| SWPA8040S5R1NT    | 5.1±30%                          | 0.019                           | 22                                         | 4.70                            | 4.05                             |
| SWPA8040S5R6NT    | 5.6±30%                          | 0.021                           | 24                                         | 6.00                            | 3.85                             |
| SWPA8040S6R2NT    | 6.2±30%                          | 0.021                           | 20                                         | 4.45                            | 3.85                             |
| SWPA8040S6R8MT    | 6.8±20%                          | 0.024                           | 20                                         | 4.55                            | 3.60                             |
| SWPA8040S8R2MT    | 8.2±20%                          | 0.026                           | 17                                         | 4.20                            | 3.45                             |
| SWPA8040S100MT    | 10±20%                           | 0.029                           | 15                                         | 3.60                            | 3.30                             |
| SWPA8040S150MT    | 15±20%                           | 0.047                           | 12                                         | 2.95                            | 2.60                             |
| SWPA8040S180MT    | 18±20%                           | 0.053                           | 11                                         | 2.70                            | 2.40                             |
| SWPA8040S220MT    | 22±20%                           | 0.069                           | 9.5                                        | 2.40                            | 2.10                             |
| SWPA8040S270MT    | 27±20%                           | 0.078                           | 9.2                                        | 2.15                            | 2.00                             |
| SWPA8040S330MT    | 33±20%                           | 0.097                           | 7.8                                        | 2.05                            | 1.80                             |
| SWPA8040S360MT    | 36±20%                           | 0.102                           | 7.8                                        | 2.00                            | 1.75                             |
| SWPA8040S390MT    | 39±20%                           | 0.107                           | 7.8                                        | 1.95                            | 1.70                             |
| SWPA8040S430MT    | 43±20%                           | 0.113                           | 7.8                                        | 1.90                            | 1.65                             |
| SWPA8040S470MT    | 47±20%                           | 0.136                           | 6.4                                        | 1.75                            | 1.55                             |
| SWPA8040S510MT    | 51±20%                           | 0.142                           | 6.4                                        | 1.70                            | 1.50                             |
| SWPA8040S560MT    | 56±20%                           | 0.148                           | 6.4                                        | 1.55                            | 1.45                             |
| SWPA8040S620MT    | 62±20%                           | 0.182                           | 6.4                                        | 1.50                            | 1.30                             |
| SWPA8040S680MT    | 68±20%                           | 0.196                           | 4.9                                        | 1.45                            | 1.25                             |
| SWPA8040S750MT    | 75±20%                           | 0.211                           | 4.9                                        | 1.35                            | 1.20                             |
| SWPA8040S820MT    | 82±20%                           | 0.225                           | 5.9                                        | 1.30                            | 1.15                             |
| SWPA8040S910MT    | 91±20%                           | 0.272                           | 4.9                                        | 1.20                            | 1.05                             |
| SWPA8040S101MT    | 100±20%                          | 0.290                           | 4.2                                        | 1.15                            | 1.00                             |
| SWPA8040S121MT    | 120±20%                          | 0.334                           | 3.5                                        | 1.05                            | 0.95                             |
| SWPA8040S151MT    | 150±20%                          | 0.410                           | 3.5                                        | 1.10                            | 0.85                             |
| SWPA8040S221MT    | 220±20%                          | 0.599                           | 3.5                                        | 0.85                            | 0.80                             |
| SWPA8040S331MT    | 330±20%                          | 0.889                           | 2.8                                        | 0.68                            | 0.64                             |

※1: All test data is referenced to 20°C ambient;

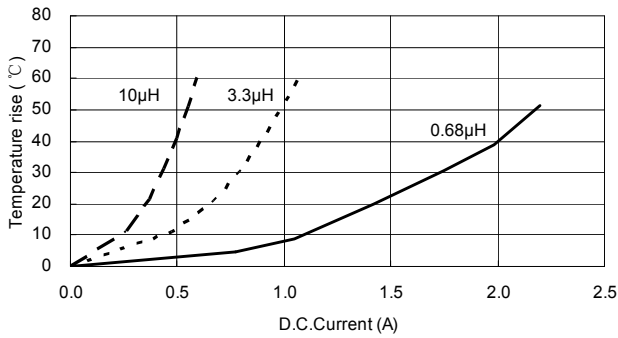
※2: Rated current: Isat or Irms, whichever is smaller;

※\*3: Isat: DC current at which the inductance drops approximate 30% from its value without current;

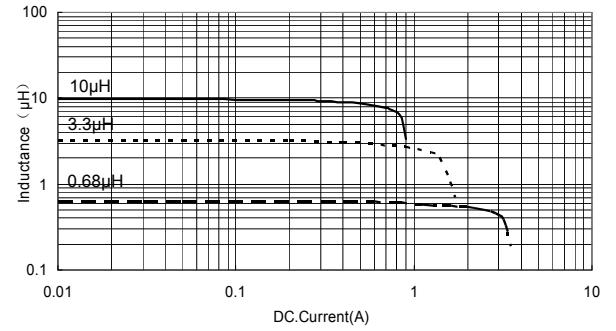
※\*4: Irms: DC current that causes the temperature rise ( $\Delta T = 40^{\circ}\text{C}$ ) from 20°C ambient.

SWPA252010S Series

Temperature vs. DC Current Characteristics

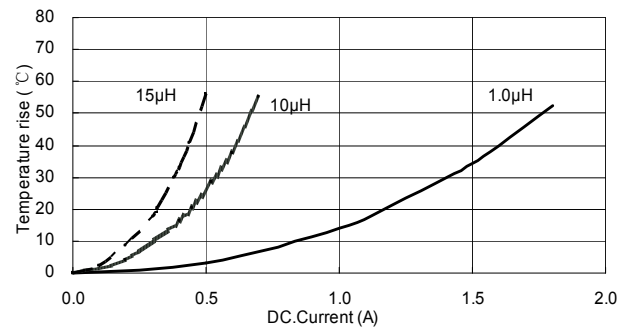


Inductance vs. DC Current Characteristics

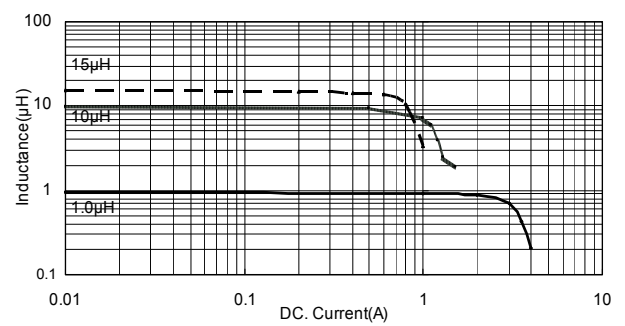


SWPA252012S Series

Temperature vs. DC Current Characteristics

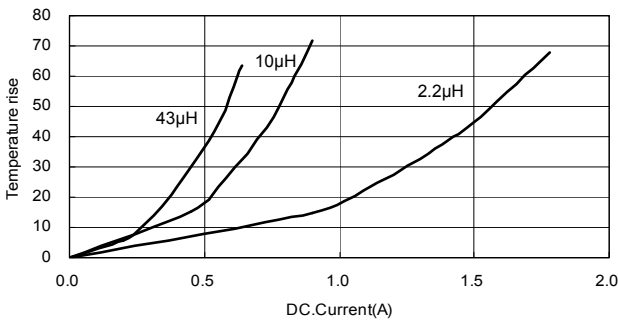


Inductance vs. DC Current Characteristics

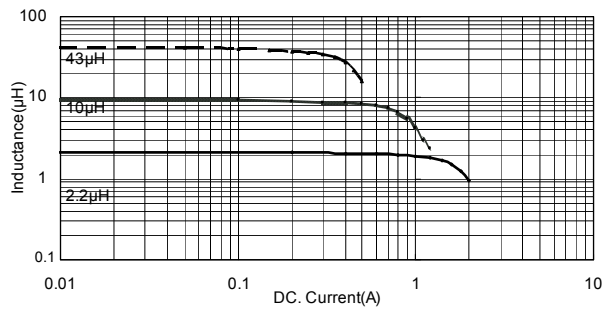


SWPA3010S Series

Temperature vs. DC Current Characteristics

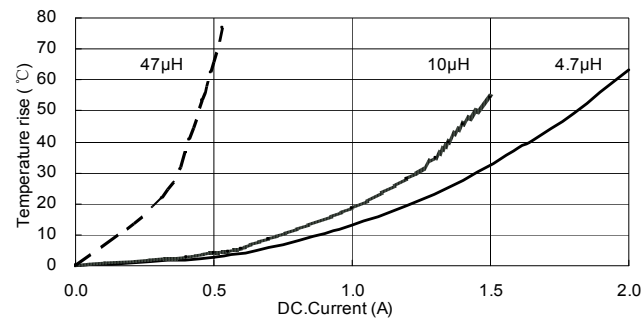


Inductance vs. DC Current Characteristics

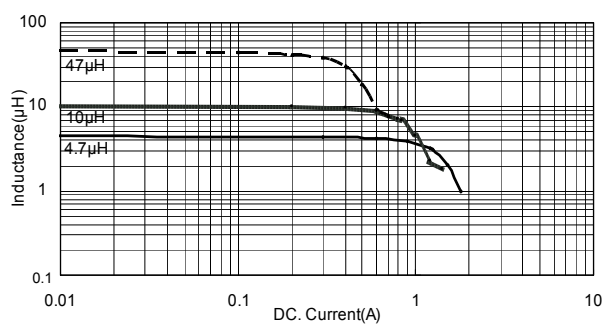


SWPA3012S Series

Temperature vs. DC Current Characteristics

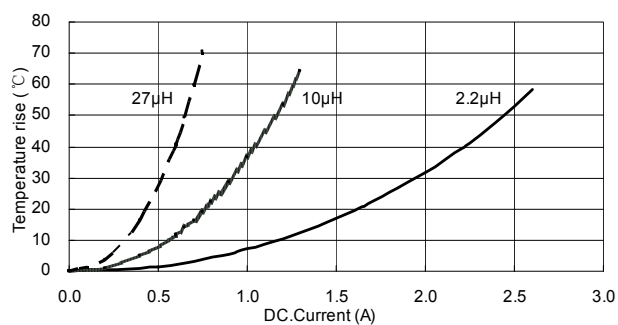


Inductance vs. DC Current Characteristics

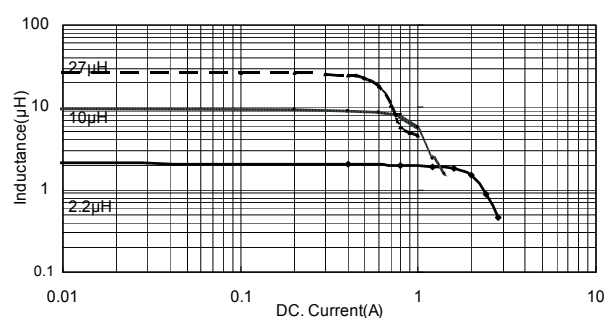


SWPA3015S Series

Temperature vs. DC Current Characteristics

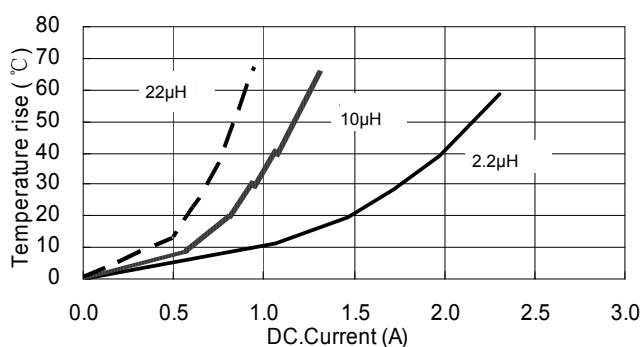


Inductance vs. DC Current Characteristics

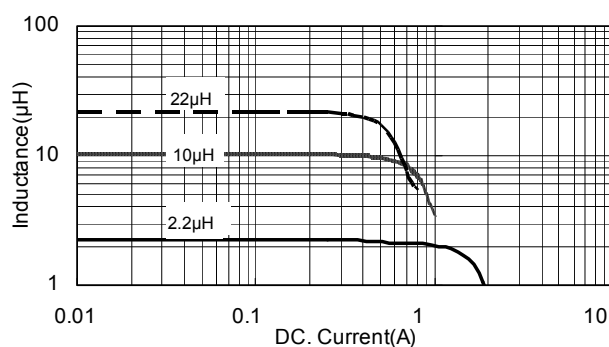


SWPA4010S Series

Temperature vs. DC Current Characteristics

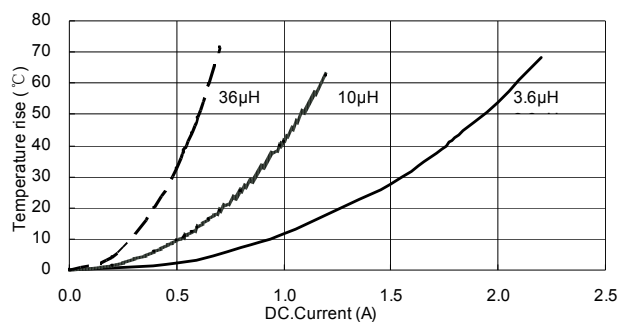


Inductance vs. DC Current Characteristic

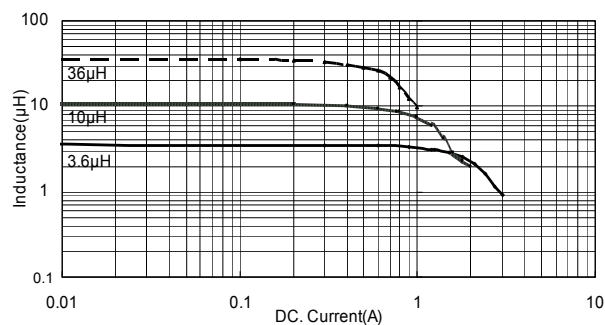


SWPA4012S Series

Temperature vs. DC Current Characteristics

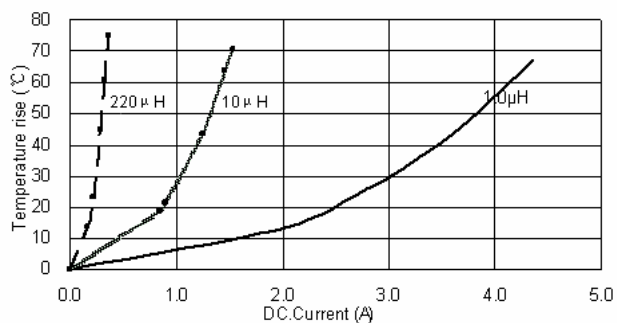


Inductance vs. DC Current Characteristic

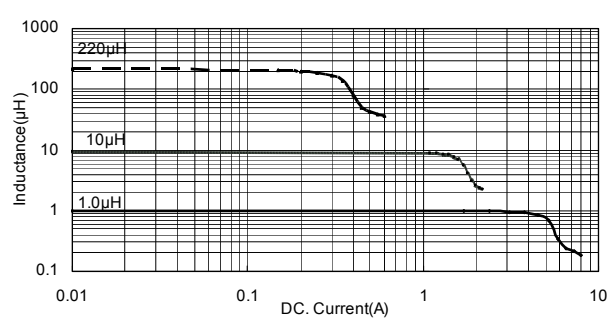


SWPA4018S Series

Temperature vs. DC Current Characteristics

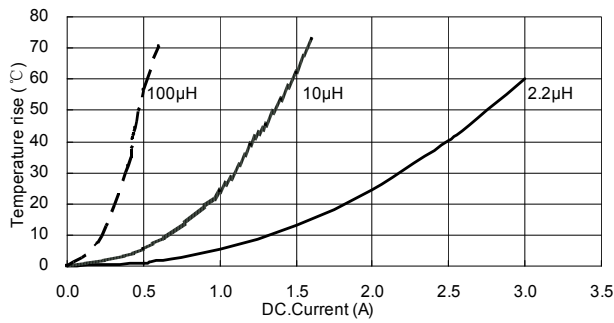


Inductance vs. DC Current Characteristics

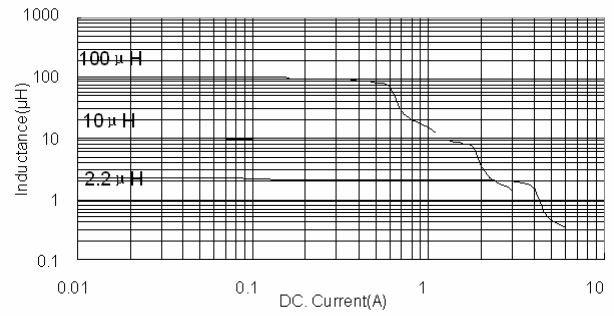


SWPA4020S Series

Temperature vs. DC Current Characteristics

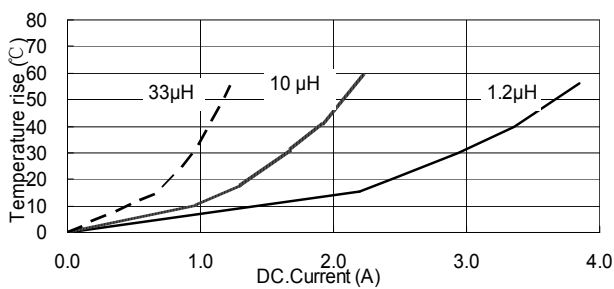


Inductance vs. DC Current Characteristics

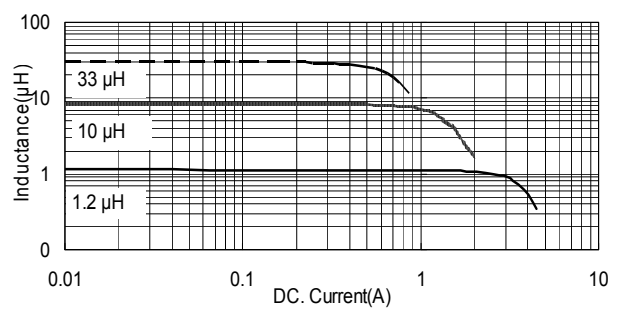


SWPA4026S Series

Temperature vs. DC Current Characteristics

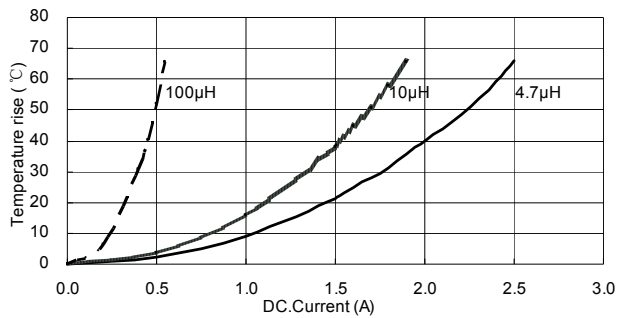


Inductance vs. DC Current Characteristics

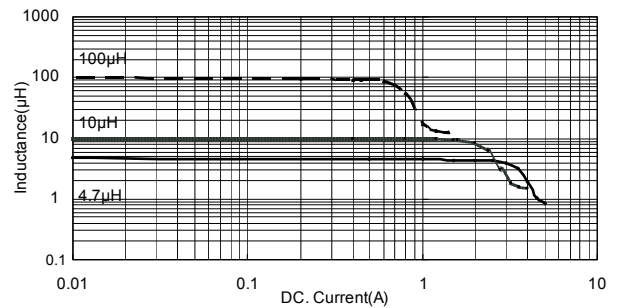


SWPA4030S Series

Temperature vs. DC Current Characteristics

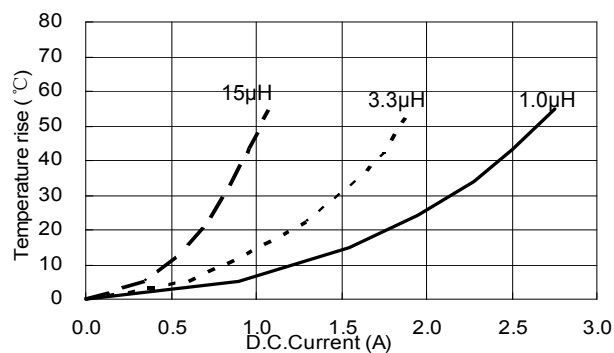


Inductance vs. DC Current Characteristics

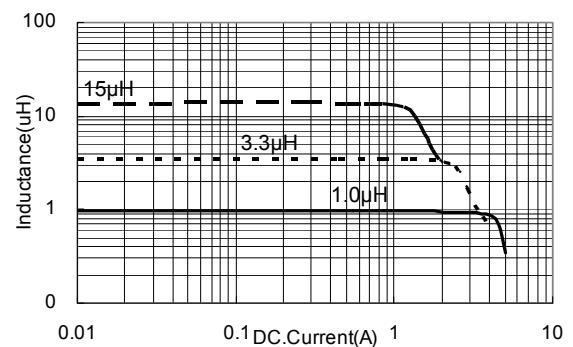


SWPA5012S Series

Temperature vs. DC Current Characteristics

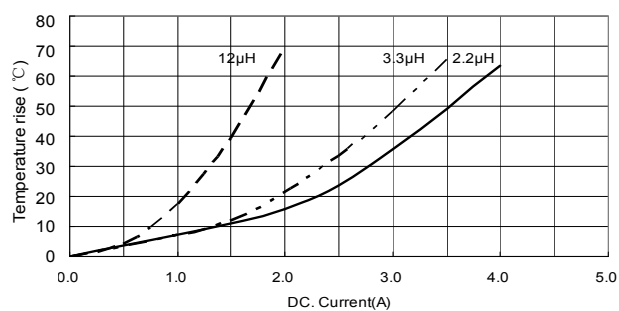


Inductance vs. DC Current Characteristics

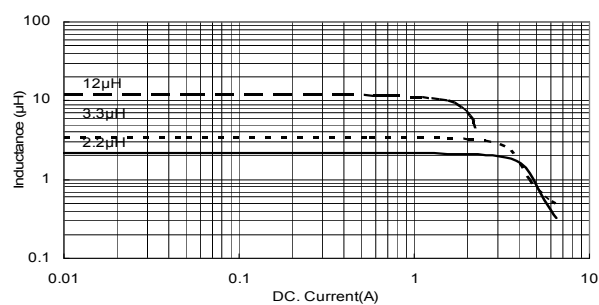


## SWPA5020S Series

Temperature vs. DC Current Characteristics

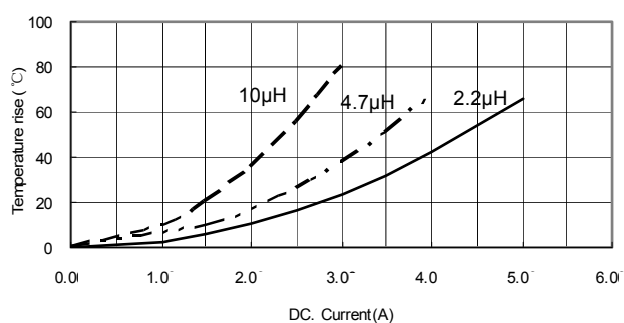


Inductance vs. DC Current Characteristics

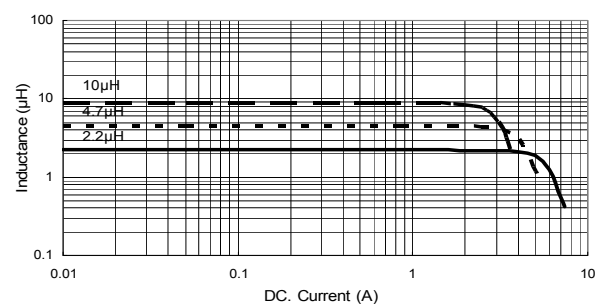


## SWPA5040S Series

Temperature vs. DC Current Characteristics

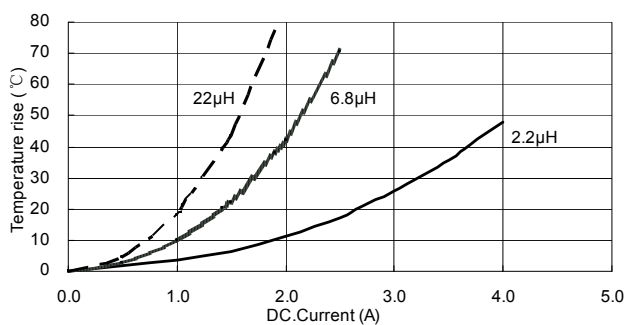


Inductance vs. DC Current Characteristics

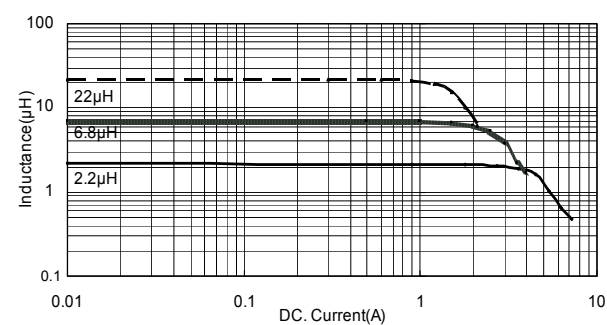


## SWPA6020S Series

Temperature vs. DC Current Characteristics

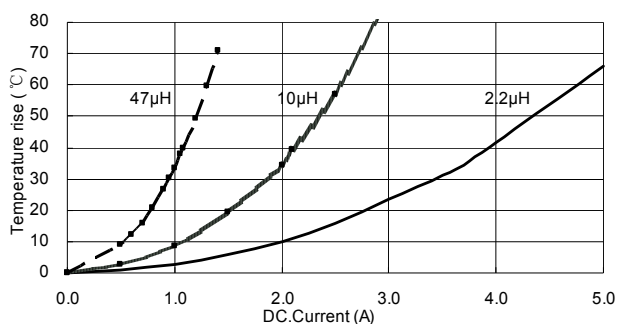


Inductance vs. DC Current Characteristics

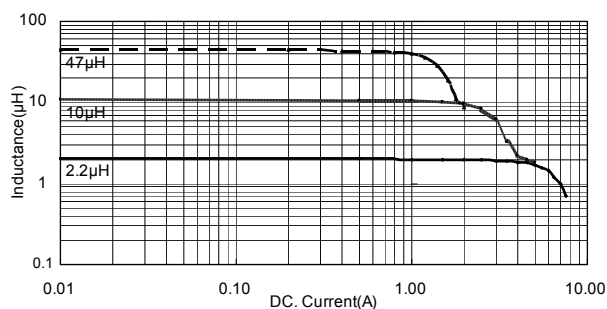


## SWPA6028S Series

Temperature vs. DC Current Characteristics

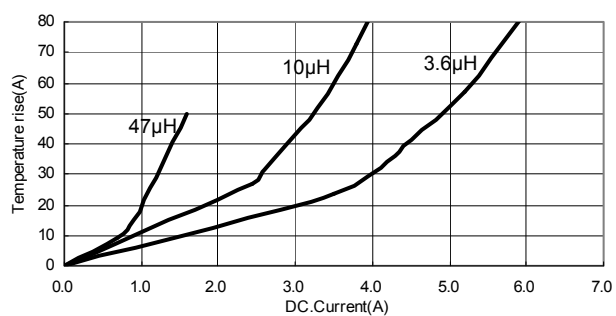


Inductance vs. DC Current Characteristics

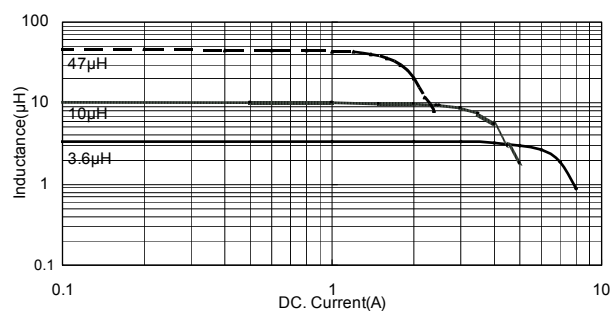


SWPA6045S Series

Temperature vs. DC Current Characteristics

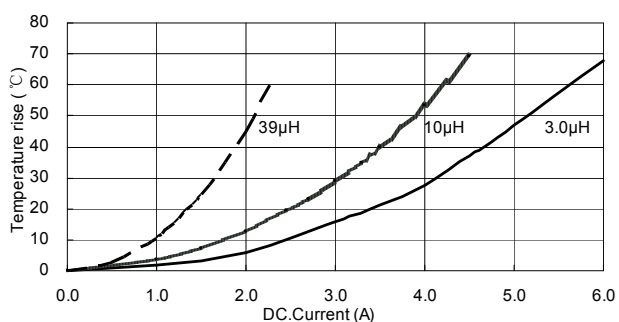


Inductance vs. DC Current Characteristics



SWPA8040S Series

Temperature vs. DC Current Characteristics



Inductance vs. DC Current Characteristics

