

Wire Wound SMD Power Inductors – SWPA Series

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



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

APPLICATIONS

- Smart phone, smart TV, set top box, notebook
- Car navigation systems, telecomm base stations
- VR, AR
- LED lighting

PRODUCT IDENTIFICATION

| <u>SWPA</u> ① | <u>3012</u> ② | <u>S</u> ③ | <u>1R0</u> ④ | <u>N</u> ⑤ | <u>T</u> ⑥ | <u>□□□</u> ⑦ | | |
|------------------------|-------------------------------|------------------------------------|-----------------|---------------|---------------|-----------------|------|--|
| ① Type | | ② External Dimensions (LxWxH) [mm] | | | | | | |
| SWPA | Wire Wound SMD Power Inductor | | 252010 | | 2.5x2.0x1.0 | | | |
| ③ Feature Type | | 3012 | | 2.5x2.0x1.2 | | 3010 | | |
| S | Standard | | 3015 | | 3.0x3.0x1.0 | | 3012 | |
| ④ Nominal Inductance | | 4010 | | 3.0x3.0x1.2 | | 4012 | | |
| Example | Nominal Value | | 4018 | | 3.0x3.0x1.5 | | 4020 | |
| 1R0 | 1.0μH | | 4030 | | 4.0x4.0x1.0 | | 4020 | |
| 100 | 10μH | | 5012 | | 4.0x4.0x1.2 | | 4030 | |
| ⑤ Inductance Tolerance | | 5020 | | 4.0x4.0x1.8 | | 5040 | | |
| K | ±10% | | 5045 | | 4.0x4.0x2.0 | | 5012 | |
| M | ±20% | | 6012 | | 4.0x4.0x3.0 | | 5020 | |
| N | ±30% | | 6020 | | 5.0x5.0x1.2 | | 5040 | |
| ⑥ Packing | | 6028 | | 5.0x5.0x2.0 | | 6045 | | |
| T | Tape Carrier Package | | 8040 | | 5.0x5.0x4.0 | | 6012 | |
| ⑦ Design Code | | 8060 | | 6.0x6.0x1.2 | | 6020 | | |
| □□□ | Standard product is blank | | 8065 | | 6.0x6.0x2.0 | | 6028 | |
| | | | | 6.0x6.0x2.8 | | 6045 | | |
| | | | | 6.0x6.0x4.5 | | 8040 | | |
| | | | | 6.0x6.0x4.5 | | 8060 | | |
| | | | | 8.0x8.0x4.0 | | 8065 | | |
| | | | | 8.0x8.0x6.0 | | | | |
| | | | | 8.0x8.0x6.5 | | | | |

SHAPE AND DIMENSIONS

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 | 1.0 Max. | 2.0±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 | 1.2 Max. | 2.0±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 | 1.0 Max. | 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 | 1.2 Max. | 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 | 1.5 Max. | 2.5±0.2 | 0.75±0.2 | 1.5±0.2 | 1.5 | 0.8 | 2.7 |
| SWPA4010S | Fig.2 | 4.0±0.2 | 4.0±0.2 | 1.0 Max. | 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 | 1.2 Max. | 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 | 1.8 Max. | 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 | 2.0 Max. | 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 | 3.0 Max. | 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 | 1.2 Max. | 4.0±0.2 | 1.25±0.2 | 2.5±0.2 | 2.3 | 1.4 | 4.2 |
| SWPA5020S | Fig.3 | 5.0±0.2 | 5.0±0.2 | 2.0 Max. | 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 | 4.0 Max. | 4.0±0.2 | 1.25±0.2 | 2.5±0.2 | 2.3 | 1.4 | 4.2 |
| SWPA5045S | Fig.3 | 5.0±0.2 | 5.0±0.2 | 4.5 Max. | 4.0±0.2 | 1.30±0.2 | 2.5±0.2 | 2.3 | 1.4 | 4.2 |
| SWPA6020S | Fig.2 | 6.0±0.3 | 6.0±0.3 | 2.0 Max. | 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 | 2.8 Max. | 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 | 4.5 Max. | 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 | 4.2 Max. | 6.3±0.3 | 2.00±0.3 | 4.0±0.3 | 3.8 | 2.2 | 7.5 |
| SWPA8060S | Fig.2 | 8.0±0.3 | 8.0±0.3 | 6.0 Max. | 6.3±0.3 | 2.00±0.3 | 4.0±0.3 | 3.8 | 2.2 | 7.5 |
| SWPA8065S | Fig.3 | 8.0±0.3 | 8.0±0.3 | 6.5 Max. | 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.

SPECIFICATIONS

SWPA252010S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ^{*3} | | Heat Rating Current ^{*4} | |
|------------------|------------|---------------|-------|-------------------------|----------------------------------|------|-----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units | μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA252010SR47NT | 0.47±30% | 0.056 | 0.047 | 206 | 2.50 | 3.35 | 2.35 | 2.56 |
| SWPA252010SR56NT | 0.56±30% | 0.072 | 0.060 | 160 | 2.90 | 3.20 | 2.00 | 2.18 |
| SWPA252010SR68NT | 0.68±30% | 0.074 | 0.062 | 129 | 2.20 | 2.75 | 2.00 | 2.18 |
| SWPA252010S1R0NT | 1.0±30% | 0.108 | 0.090 | 100 | 1.85 | 2.20 | 1.65 | 1.80 |
| SWPA252010S1R5NT | 1.5±30% | 0.182 | 0.152 | 81 | 1.80 | 2.10 | 1.30 | 1.42 |
| SWPA252010S2R2NT | 2.2±30% | 0.209 | 0.174 | 61 | 1.20 | 1.60 | 1.20 | 1.31 |
| SWPA252010S3R3MT | 3.3±20% | 0.328 | 0.273 | 47 | 1.05 | 1.30 | 0.90 | 0.98 |
| SWPA252010S4R7MT | 4.7±20% | 0.563 | 0.469 | 42 | 0.95 | 1.15 | 0.70 | 0.76 |
| SWPA252010S5R6MT | 5.6±20% | 0.563 | 0.469 | 35 | 0.80 | 0.95 | 0.73 | 0.80 |
| SWPA252010S6R8MT | 6.8±20% | 0.896 | 0.747 | 31 | 0.78 | 0.92 | 0.59 | 0.64 |
| SWPA252010S100MT | 10±20% | 1.092 | 0.910 | 27 | 0.65 | 0.78 | 0.50 | 0.55 |

SWPA252012S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ^{*3} | | Heat Rating Current ^{*4} | |
|------------------|------------|---------------|-------|-------------------------|----------------------------------|------|-----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units | μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA252012SR47NT | 0.47±30% | 0.061 | 0.047 | 160 | 3.82 | 4.27 | 2.15 | 2.34 |
| SWPA252012SR68NT | 0.68±30% | 0.074 | 0.057 | 140 | 3.28 | 3.68 | 1.95 | 2.13 |
| SWPA252012S1R0NT | 1.0±30% | 0.090 | 0.069 | 110 | 2.59 | 2.90 | 1.93 | 2.10 |
| SWPA252012S1R2NT | 1.2±30% | 0.129 | 0.099 | 100 | 2.38 | 2.67 | 1.46 | 1.59 |
| SWPA252012S1R5MT | 1.5±20% | 0.147 | 0.113 | 97 | 2.24 | 2.51 | 1.40 | 1.53 |
| SWPA252012S2R2MT | 2.2±20% | 0.216 | 0.166 | 69 | 1.85 | 2.07 | 1.15 | 1.25 |
| SWPA252012S2R7MT | 2.7±20% | 0.239 | 0.184 | 63 | 1.72 | 1.92 | 1.09 | 1.19 |
| SWPA252012S3R3MT | 3.3±20% | 0.264 | 0.203 | 62 | 1.61 | 1.80 | 1.04 | 1.13 |
| SWPA252012S3R6MT | 3.6±20% | 0.348 | 0.268 | 53 | 1.46 | 1.64 | 0.90 | 0.98 |
| SWPA252012S4R3MT | 4.3±20% | 0.377 | 0.290 | 51 | 1.37 | 1.53 | 0.87 | 0.95 |
| SWPA252012S4R7MT | 4.7±20% | 0.377 | 0.290 | 47 | 1.12 | 1.25 | 0.84 | 0.92 |
| SWPA252012S5R1MT | 5.1±20% | 0.500 | 0.385 | 44 | 1.23 | 1.37 | 0.75 | 0.82 |
| SWPA252012S5R6MT | 5.6±20% | 0.538 | 0.414 | 38 | 1.11 | 1.25 | 0.73 | 0.80 |
| SWPA252012S6R2MT | 6.2±20% | 0.542 | 0.417 | 38 | 1.03 | 1.16 | 0.73 | 0.80 |
| SWPA252012S6R8MT | 6.8±20% | 0.581 | 0.447 | 38 | 0.98 | 1.09 | 0.69 | 0.75 |
| SWPA252012S7R5MT | 7.5±20% | 0.611 | 0.470 | 35 | 0.97 | 1.09 | 0.68 | 0.74 |
| SWPA252012S8R2MT | 8.2±20% | 0.658 | 0.506 | 36 | 0.98 | 1.10 | 0.65 | 0.71 |
| SWPA252012S9R1MT | 9.1±20% | 0.690 | 0.531 | 34 | 0.91 | 1.02 | 0.62 | 0.68 |
| SWPA252012S100MT | 10±20% | 0.690 | 0.531 | 34 | 0.79 | 0.88 | 0.62 | 0.68 |
| SWPA252012S120MT | 12±20% | 1.075 | 0.827 | 28 | 0.78 | 0.88 | 0.51 | 0.56 |
| SWPA252012S150MT | 15±20% | 1.591 | 1.224 | 25 | 0.68 | 0.77 | 0.42 | 0.46 |
| SWPA252012S220MT | 22±20% | 1.976 | 1.520 | 20 | 0.53 | 0.59 | 0.38 | 0.41 |

SPECIFICATIONS

SWPA3010S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ^{*3} | | Heat Rating Current ^{*4} | |
|----------------|------------|---------------|-------|-------------------------|----------------------------------|------|-----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units | μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA3010S1R0NT | 1.0±30% | 0.085 | 0.065 | 180 | 1.40 | 2.10 | 1.45 | 1.80 |
| SWPA3010S1R2NT | 1.2±30% | 0.085 | 0.065 | 137 | 1.25 | 1.70 | 1.45 | 1.80 |
| SWPA3010S1R5NT | 1.5±30% | 0.104 | 0.080 | 120 | 1.27 | 1.70 | 1.30 | 1.60 |
| SWPA3010S2R2NT | 2.2±30% | 0.143 | 0.110 | 100 | 1.15 | 1.50 | 1.09 | 1.40 |
| SWPA3010S2R7MT | 2.7±20% | 0.169 | 0.130 | 90 | 1.00 | 1.20 | 1.02 | 1.40 |
| SWPA3010S3R3NT | 3.3±30% | 0.189 | 0.145 | 74 | 0.97 | 1.20 | 0.96 | 1.20 |
| SWPA3010S3R6MT | 3.6±20% | 0.215 | 0.165 | 67 | 0.95 | 1.20 | 0.90 | 1.10 |
| SWPA3010S4R7MT | 4.7±20% | 0.293 | 0.225 | 59 | 0.75 | 1.05 | 0.77 | 1.10 |
| SWPA3010S5R6MT | 5.6±20% | 0.322 | 0.248 | 40 | 0.58 | 0.65 | 0.70 | 1.05 |
| SWPA3010S6R8MT | 6.8±20% | 0.397 | 0.305 | 42 | 0.55 | 0.72 | 0.66 | 0.96 |
| SWPA3010S8R2MT | 8.2±20% | 0.520 | 0.40 | 23 | 0.55 | 0.70 | 0.58 | 0.70 |
| SWPA3010S100MT | 10±20% | 0.520 | 0.40 | 39 | 0.55 | 0.75 | 0.58 | 0.70 |
| SWPA3010S120MT | 12±20% | 0.657 | 0.505 | 36 | 0.43 | 0.65 | 0.52 | 0.67 |
| SWPA3010S150MT | 15±20% | 0.793 | 0.610 | 30 | 0.42 | 0.57 | 0.47 | 0.57 |
| SWPA3010S220MT | 22±20% | 1.209 | 0.930 | 28 | 0.35 | 0.48 | 0.38 | 0.52 |
| SWPA3010S270MT | 27±20% | 1.404 | 1.080 | 25 | 0.30 | 0.45 | 0.35 | 0.50 |
| SWPA3010S330MT | 33±20% | 2.015 | 1.550 | 18 | 0.29 | 0.42 | 0.30 | 0.55 |
| SWPA3010S390MT | 39±20% | 2.275 | 1.750 | 18 | 0.28 | 0.38 | 0.28 | 0.53 |
| SWPA3010S430MT | 43±20% | 2.340 | 1.80 | 18 | 0.23 | 0.36 | 0.27 | 0.52 |
| SWPA3010S470MT | 47±20% | 2.535 | 1.950 | 18 | 0.22 | 0.35 | 0.26 | 0.52 |
| SWPA3010S510MT | 51±20% | 2.860 | 2.20 | 18 | 0.21 | 0.33 | 0.25 | 0.48 |
| SWPA3010S560MT | 56±20% | 3.016 | 2.320 | 16 | 0.21 | 0.28 | 0.24 | 0.35 |

SWPA3012S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ^{*3} | | Heat Rating Current ^{*4} | |
|----------------|------------|---------------|-------|-------------------------|----------------------------------|------|-----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units | μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA3012SR22NT | 0.22±30% | 0.022 | 0.017 | 321 | 5.30 | 6.00 | 3.00 | 3.30 |
| SWPA3012SR82NT | 0.82±30% | 0.039 | 0.030 | 180 | 2.05 | 2.80 | 2.47 | 3.00 |
| SWPA3012S1R0NT | 1.0±30% | 0.052 | 0.040 | 120 | 1.87 | 2.80 | 2.20 | 2.70 |
| SWPA3012S1R2NT | 1.2±30% | 0.059 | 0.045 | 120 | 2.22 | 2.50 | 2.01 | 2.20 |
| SWPA3012S1R5NT | 1.5±30% | 0.059 | 0.045 | 110 | 1.62 | 1.90 | 2.01 | 2.20 |
| SWPA3012S1R8NT | 1.8±30% | 0.082 | 0.063 | 90 | 1.30 | 1.90 | 1.65 | 1.80 |
| SWPA3012S2R2NT | 2.2±30% | 0.098 | 0.075 | 84 | 1.20 | 1.90 | 1.55 | 1.70 |
| SWPA3012S2R4NT | 2.4±30% | 0.088 | 0.068 | 100 | 1.15 | 1.50 | 1.60 | 1.70 |
| SWPA3012S2R7NT | 2.7±30% | 0.110 | 0.085 | 65 | 1.14 | 1.50 | 1.48 | 1.50 |
| SWPA3012S3R3MT | 3.3±20% | 0.130 | 0.10 | 64 | 1.05 | 1.50 | 1.36 | 1.40 |
| SWPA3012S3R6MT | 3.6±20% | 0.130 | 0.10 | 36 | 1.05 | 1.50 | 1.36 | 1.40 |
| SWPA3012S3R9MT | 3.9±20% | 0.189 | 0.145 | 61 | 1.00 | 1.30 | 1.24 | 1.30 |
| SWPA3012S4R7MT | 4.7±20% | 0.156 | 0.120 | 61 | 0.90 | 1.00 | 1.24 | 1.30 |
| SWPA3012S6R8MT | 6.8±20% | 0.247 | 0.190 | 61 | 0.75 | 0.90 | 0.98 | 1.10 |
| SWPA3012S100MT | 10±20% | 0.345 | 0.265 | 42 | 0.60 | 0.88 | 0.83 | 0.90 |
| SWPA3012S120MT | 12±20% | 0.449 | 0.345 | 32 | 0.48 | 0.67 | 0.73 | 0.84 |
| SWPA3012S150MT | 15±20% | 0.468 | 0.360 | 27 | 0.45 | 0.62 | 0.71 | 0.77 |
| SWPA3012S180MT | 18±20% | 0.709 | 0.545 | 25 | 0.43 | 0.59 | 0.58 | 0.65 |
| SWPA3012S220MT | 22±20% | 0.839 | 0.645 | 23 | 0.42 | 0.52 | 0.53 | 0.59 |

SPECIFICATIONS

SWPA3012S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ³ | | Heat Rating Current ⁴ | |
|----------------|------------|---------------|-------|-------------------------|---------------------------------|------|----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units | μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA3012S270MT | 27±20% | 1.131 | 0.870 | 21 | 0.35 | 0.48 | 0.47 | 0.51 |
| SWPA3012S330MT | 33±20% | 1.138 | 0.875 | 18 | 0.36 | 0.46 | 0.46 | 0.50 |
| SWPA3012S360MT | 36±20% | 1.235 | 0.950 | 18 | 0.34 | 0.44 | 0.44 | 0.48 |
| SWPA3012S390MT | 39±20% | 1.729 | 1.330 | 18 | 0.30 | 0.39 | 0.37 | 0.41 |
| SWPA3012S470MT | 47±20% | 1.885 | 1.450 | 14 | 0.27 | 0.35 | 0.35 | 0.40 |
| SWPA3012S560MT | 56±20% | 1.794 | 1.380 | 9 | 0.26 | 0.33 | 0.28 | 0.40 |
| SWPA3012S680MT | 68±20% | 2.171 | 1.670 | 7 | 0.24 | 0.29 | 0.33 | 0.37 |
| SWPA3012S820MT | 82±20% | 3.302 | 2.540 | 7 | 0.17 | 0.27 | 0.27 | 0.31 |
| SWPA3012S101MT | 100±20% | 3.718 | 2.860 | 5 | 0.21 | 0.23 | 0.25 | 0.29 |

SWPA3015S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ³ | | Heat Rating Current ⁴ | |
|----------------|------------|---------------|-------|-------------------------|---------------------------------|------|----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units | μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA3015SR50NT | 0.5±30% | 0.039 | 0.030 | 162 | 3.90 | 4.20 | 2.60 | 2.80 |
| SWPA3015S1R0NT | 1.0±30% | 0.039 | 0.030 | 150 | 2.32 | 2.80 | 2.35 | 2.50 |
| SWPA3015S1R2NT | 1.2±30% | 0.052 | 0.040 | 110 | 2.21 | 3.10 | 1.95 | 2.30 |
| SWPA3015S1R5NT | 1.5±30% | 0.065 | 0.050 | 100 | 2.30 | 2.70 | 1.70 | 2.20 |
| SWPA3015S1R8NT | 1.8±30% | 0.065 | 0.050 | 92 | 1.75 | 2.20 | 1.70 | 2.20 |
| SWPA3015S2R2NT | 2.2±30% | 0.078 | 0.060 | 86 | 1.60 | 2.00 | 1.60 | 2.00 |
| SWPA3015S2R7NT | 2.7±30% | 0.098 | 0.075 | 64 | 1.52 | 1.90 | 1.43 | 1.90 |
| SWPA3015S3R3MT | 3.3±20% | 0.104 | 0.080 | 68 | 1.32 | 1.81 | 1.36 | 1.60 |
| SWPA3015S3R6MT | 3.6±20% | 0.137 | 0.105 | 59 | 1.28 | 1.60 | 1.20 | 1.50 |
| SWPA3015S3R9MT | 3.9±20% | 0.137 | 0.105 | 47 | 1.20 | 1.40 | 1.20 | 1.50 |
| SWPA3015S4R3MT | 4.3±20% | 0.150 | 0.115 | 53 | 1.20 | 1.40 | 1.14 | 1.30 |
| SWPA3015S4R7MT | 4.7±20% | 0.163 | 0.125 | 46 | 1.10 | 1.40 | 1.09 | 1.30 |
| SWPA3015S5R1MT | 5.1±20% | 0.173 | 0.133 | 49 | 1.00 | 1.20 | 1.05 | 1.20 |
| SWPA3015S6R2MT | 6.2±20% | 0.254 | 0.195 | 46 | 1.00 | 1.20 | 0.86 | 1.00 |
| SWPA3015S6R8MT | 6.8±20% | 0.260 | 0.20 | 39 | 0.85 | 1.10 | 0.85 | 1.10 |
| SWPA3015S100MT | 10±20% | 0.325 | 0.250 | 41 | 0.72 | 0.92 | 0.77 | 0.90 |
| SWPA3015S120MT | 12±20% | 0.416 | 0.320 | 32 | 0.70 | 0.90 | 0.68 | 0.89 |
| SWPA3015S150MT | 15±20% | 0.455 | 0.350 | 30 | 0.66 | 0.88 | 0.65 | 0.72 |
| SWPA3015S180MT | 18±20% | 0.559 | 0.430 | 23 | 0.56 | 0.72 | 0.59 | 0.72 |
| SWPA3015S220MT | 22±20% | 0.598 | 0.460 | 23 | 0.52 | 0.68 | 0.57 | 0.69 |
| SWPA3015S270MT | 27±20% | 0.949 | 0.730 | 22 | 0.48 | 0.56 | 0.45 | 0.56 |
| SWPA3015S330MT | 33±20% | 1.066 | 0.820 | 20 | 0.44 | 0.53 | 0.43 | 0.51 |
| SWPA3015S390MT | 39±20% | 1.294 | 0.995 | 14 | 0.41 | 0.55 | 0.39 | 0.44 |
| SWPA3015S430MT | 43±20% | 1.378 | 1.060 | 16 | 0.37 | 0.43 | 0.37 | 0.48 |
| SWPA3015S470MT | 47±20% | 1.625 | 1.250 | 14 | 0.35 | 0.43 | 0.35 | 0.44 |
| SWPA3015S560MT | 56±20% | 1.664 | 1.280 | 13 | 0.33 | 0.42 | 0.34 | 0.41 |
| SWPA3015S620MT | 62±20% | 2.093 | 1.610 | 13 | 0.30 | 0.40 | 0.30 | 0.41 |
| SWPA3015S680MT | 68±20% | 3.510 | 2.700 | 11 | 0.28 | 0.37 | 0.23 | 0.31 |
| SWPA3015S101MT | 100±20% | 4.043 | 3.110 | 7.2 | 0.23 | 0.25 | 0.21 | 0.25 |
| SWPA3015S151MT | 150±20% | 4.940 | 3.80 | 4.5 | 0.18 | 0.22 | 0.19 | 0.23 |

SPECIFICATIONS

SWPA4010S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ^{*3} | | Heat Rating Current ^{*4} | |
|----------------|------------|---------------|-------|-------------------------|----------------------------------|------|-----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units 单位 | μH | Ω | | MHz | A | | A | |
| Symbol 符号 | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA4010S1R0NT | 1.0±30% | 0.067 | 0.056 | 104 | 2.00 | 2.30 | 1.90 | 2.40 |
| SWPA4010S1R5NT | 1.5±30% | 0.084 | 0.070 | 71 | 1.68 | 2.00 | 1.70 | 2.00 |
| SWPA4010S2R2MT | 2.2±20% | 0.102 | 0.085 | 52 | 1.20 | 1.50 | 1.50 | 2.00 |
| SWPA4010S3R3MT | 3.3±20% | 0.120 | 0.100 | 42 | 1.10 | 1.40 | 1.40 | 1.80 |
| SWPA4010S4R7MT | 4.7±20% | 0.168 | 0.140 | 30 | 0.95 | 1.10 | 1.20 | 1.50 |
| SWPA4010S6R8MT | 6.8±20% | 0.240 | 0.200 | 26 | 0.80 | 0.95 | 1.00 | 1.20 |
| SWPA4010S100MT | 10±20% | 0.360 | 0.300 | 19 | 0.62 | 0.75 | 0.75 | 1.00 |
| SWPA4010S150MT | 15±20% | 0.516 | 0.430 | 17 | 0.54 | 0.61 | 0.60 | 0.85 |
| SWPA4010S220MT | 22±20% | 0.684 | 0.570 | 11 | 0.45 | 0.52 | 0.50 | 0.75 |

SWPA4012S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ^{*3} | | Heat Rating Current ^{*4} | |
|----------------|------------|---------------|-------|-------------------------|----------------------------------|------|-----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units 单位 | μH | Ω | | MHz | A | | A | |
| Symbol 符号 | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA4012SR82NT | 0.82±30% | 0.065 | 0.050 | 150 | 3.02 | 3.30 | 1.65 | 2.50 |
| SWPA4012S1R0NT | 1.0±30% | 0.065 | 0.050 | 120 | 2.61 | 3.20 | 1.65 | 2.50 |
| SWPA4012S1R5NT | 1.5±30% | 0.085 | 0.065 | 90 | 2.10 | 2.70 | 1.46 | 2.20 |
| SWPA4012S1R8NT | 1.8±30% | 0.104 | 0.080 | 88 | 2.12 | 2.60 | 1.32 | 1.90 |
| SWPA4012S2R2NT | 2.2±30% | 0.104 | 0.080 | 74 | 1.76 | 2.30 | 1.32 | 1.90 |
| SWPA4012S2R7NT | 2.7±30% | 0.117 | 0.090 | 71 | 1.90 | 2.30 | 1.25 | 1.70 |
| SWPA4012S3R3NT | 3.3±30% | 0.143 | 0.110 | 60 | 1.72 | 2.10 | 1.12 | 1.60 |
| SWPA4012S3R6NT | 3.6±30% | 0.143 | 0.110 | 57 | 1.20 | 1.70 | 1.12 | 1.60 |
| SWPA4012S4R3NT | 4.3±30% | 0.182 | 0.140 | 54 | 1.58 | 1.70 | 1.00 | 1.50 |
| SWPA4012S4R7NT | 4.7±30% | 0.163 | 0.125 | 50 | 1.15 | 1.80 | 1.05 | 1.50 |
| SWPA4012S5R1NT | 5.1±30% | 0.201 | 0.155 | 50 | 1.55 | 1.60 | 0.95 | 1.50 |
| SWPA4012S5R6NT | 5.6±30% | 0.182 | 0.140 | 42 | 1.00 | 1.60 | 1.00 | 1.20 |
| SWPA4012S6R8MT | 6.8±20% | 0.257 | 0.198 | 40 | 0.85 | 1.40 | 0.84 | 1.20 |
| SWPA4012S100MT | 10±20% | 0.345 | 0.265 | 33 | 0.80 | 1.10 | 0.77 | 1.00 |
| SWPA4012S120MT | 12±20% | 0.377 | 0.290 | 32 | 0.66 | 1.00 | 0.70 | 0.95 |
| SWPA4012S150MT | 15±20% | 0.442 | 0.340 | 25 | 0.56 | 0.80 | 0.64 | 0.85 |
| SWPA4012S180MT | 18±20% | 0.611 | 0.470 | 23 | 0.55 | 0.75 | 0.55 | 0.80 |
| SWPA4012S220MT | 22±20% | 0.763 | 0.587 | 20 | 0.46 | 0.70 | 0.49 | 0.75 |
| SWPA4012S270MT | 27±20% | 0.936 | 0.720 | 18 | 0.50 | 0.70 | 0.45 | 0.60 |
| SWPA4012S330MT | 33±20% | 1.053 | 0.810 | 17 | 0.42 | 0.60 | 0.42 | 0.58 |
| SWPA4012S360MT | 36±20% | 1.170 | 0.90 | 14 | 0.40 | 0.50 | 0.40 | 0.56 |
| SWPA4012S390MT | 39±20% | 1.430 | 1.10 | 16 | 0.55 | 0.66 | 0.37 | 0.50 |
| SWPA4012S470MT | 47±20% | 1.430 | 1.10 | 12 | 0.35 | 0.50 | 0.37 | 0.50 |
| SWPA4012S560MT | 56±20% | 1.625 | 1.250 | 11 | 0.33 | 0.45 | 0.33 | 0.46 |
| SWPA4012S680MT | 68±20% | 2.535 | 1.950 | 11 | 0.38 | 0.45 | 0.27 | 0.45 |
| SWPA4012S820MT | 82±20% | 2.782 | 2.140 | 11 | 0.28 | 0.40 | 0.26 | 0.36 |
| SWPA4012S101MT | 100±20% | 2.873 | 2.210 | 9.4 | 0.25 | 0.30 | 0.25 | 0.35 |

SPECIFICATIONS

SWPA4018S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ^{*3} | | Heat Rating Current ^{*4} | |
|----------------|------------|---------------|-------|-------------------------|----------------------------------|------|-----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units | μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA4018SR47NT | 0.47±30% | 0.018 | 0.014 | 155 | 4.30 | 5.20 | 4.00 | 4.50 |
| SWPA4018SR68NT | 0.68±30% | 0.026 | 0.020 | 128 | 4.90 | 5.60 | 3.30 | 3.80 |
| SWPA4018S1R0NT | 1.0±30% | 0.033 | 0.025 | 80 | 4.80 | 5.20 | 2.00 | 3.30 |
| SWPA4018S1R5NT | 1.5±30% | 0.039 | 0.030 | 65 | 3.35 | 4.00 | 1.80 | 3.20 |
| SWPA4018S1R8NT | 1.8±30% | 0.044 | 0.034 | 54 | 3.00 | 3.40 | 2.00 | 2.80 |
| SWPA4018S2R2MT | 2.2±20% | 0.059 | 0.045 | 52 | 2.70 | 3.20 | 1.65 | 2.60 |
| SWPA4018S3R3MT | 3.3±20% | 0.091 | 0.070 | 44 | 2.45 | 2.90 | 1.23 | 2.10 |
| SWPA4018S4R7MT | 4.7±20% | 0.117 | 0.090 | 34 | 1.70 | 2.20 | 1.20 | 1.80 |
| SWPA4018S6R8MT | 6.8±20% | 0.143 | 0.110 | 29 | 1.45 | 2.00 | 1.06 | 1.50 |
| SWPA4018S100MT | 10±20% | 0.234 | 0.180 | 24 | 1.30 | 1.60 | 0.84 | 1.20 |
| SWPA4018S150MT | 15±20% | 0.325 | 0.250 | 19 | 0.94 | 1.10 | 0.65 | 1.00 |
| SWPA4018S220MT | 22±20% | 0.468 | 0.360 | 16 | 0.80 | 0.88 | 0.59 | 0.85 |
| SWPA4018S330MT | 33±20% | 0.689 | 0.530 | 12 | 0.56 | 0.75 | 0.49 | 0.72 |
| SWPA4018S470MT | 47±20% | 0.845 | 0.650 | 10 | 0.57 | 0.70 | 0.42 | 0.65 |
| SWPA4018S680MT | 68±20% | 1.30 | 1.0 | 8.3 | 0.47 | 0.51 | 0.32 | 0.52 |
| SWPA4018S101MT | 100±20% | 2.275 | 1.750 | 6.5 | 0.40 | 0.44 | 0.25 | 0.41 |
| SWPA4018S151MT | 150±20% | 3.250 | 2.50 | 5.5 | 0.31 | 0.34 | 0.22 | 0.36 |
| SWPA4018S221MT | 220±20% | 5.20 | 4.0 | 4 | 0.27 | 0.30 | 0.17 | 0.27 |

SWPA4020S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ^{*3} | | Heat Rating Current ^{*4} | |
|----------------|------------|---------------|-------|-------------------------|----------------------------------|------|-----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units | μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA4020SR24MT | 0.24±20% | 0.014 | 0.011 | 283 | 10.5 | 12.5 | 4.50 | 5.20 |
| SWPA4020SR33NT | 0.33±30% | 0.016 | 0.013 | 223 | 7.50 | 8.50 | 3.30 | 4.90 |
| SWPA4020SR47NT | 0.47±30% | 0.029 | 0.022 | 160 | 7.00 | 7.50 | 3.30 | 3.70 |
| SWPA4020SR68NT | 0.68±30% | 0.036 | 0.028 | 120 | 6.40 | 6.60 | 2.80 | 3.30 |
| SWPA4020S1R0NT | 1.0±30% | 0.038 | 0.029 | 75 | 4.78 | 5.20 | 2.15 | 3.20 |
| SWPA4020S1R2NT | 1.2±30% | 0.038 | 0.029 | 72 | 5.10 | 5.60 | 2.15 | 3.20 |
| SWPA4020S1R5NT | 1.5±30% | 0.046 | 0.035 | 71 | 4.45 | 4.90 | 1.98 | 3.00 |
| SWPA4020S2R2MT | 2.2±20% | 0.052 | 0.040 | 49 | 3.40 | 3.70 | 1.85 | 2.80 |
| SWPA4020S3R3MT | 3.3±20% | 0.091 | 0.070 | 44 | 3.20 | 3.50 | 1.40 | 2.50 |
| SWPA4020S3R6MT | 3.6±20% | 0.072 | 0.055 | 49 | 2.80 | 3.00 | 1.54 | 2.50 |
| SWPA4020S4R7MT | 4.7±20% | 0.098 | 0.075 | 42 | 2.35 | 2.50 | 1.34 | 2.00 |
| SWPA4020S5R1MT | 5.1±20% | 0.111 | 0.085 | 42 | 2.30 | 2.50 | 1.27 | 1.80 |
| SWPA4020S5R6MT | 5.6±20% | 0.117 | 0.090 | 30 | 2.20 | 2.40 | 1.22 | 1.80 |
| SWPA4020S6R2MT | 6.2±20% | 0.150 | 0.115 | 36 | 2.15 | 2.30 | 1.08 | 1.60 |
| SWPA4020S6R8MT | 6.8±20% | 0.163 | 0.125 | 33 | 2.20 | 2.40 | 1.04 | 1.60 |
| SWPA4020S7R5MT | 7.5±20% | 0.150 | 0.115 | 30 | 1.85 | 2.00 | 1.08 | 1.50 |
| SWPA4020S8R2MT | 8.2±20% | 0.163 | 0.125 | 27 | 1.75 | 1.90 | 1.04 | 1.40 |
| SWPA4020S100MT | 10±20% | 0.215 | 0.165 | 26 | 1.60 | 1.70 | 0.90 | 1.20 |
| SWPA4020S120MT | 12±20% | 0.228 | 0.175 | 26 | 1.50 | 1.60 | 0.88 | 1.20 |
| SWPA4020S150MT | 15±20% | 0.299 | 0.230 | 24 | 1.35 | 1.50 | 0.77 | 1.10 |
| SWPA4020S220MT | 22±20% | 0.455 | 0.350 | 15 | 1.05 | 1.10 | 0.62 | 0.87 |
| SWPA4020S270MT | 27±20% | 0.709 | 0.545 | 14 | 1.02 | 1.10 | 0.50 | 0.70 |

SPECIFICATIONS

SWPA4020S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ³ | | Heat Rating Current ⁴ | |
|----------------|------------|---------------|-------|-------------------------|---------------------------------|------|----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units | μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA4020S330MT | 33±20% | 0.715 | 0.550 | 11 | 0.85 | 0.93 | 0.49 | 0.68 |
| SWPA4020S390MT | 39±20% | 0.845 | 0.650 | 11 | 0.82 | 0.90 | 0.46 | 0.64 |
| SWPA4020S430MT | 43±20% | 0.858 | 0.660 | 10 | 0.77 | 0.85 | 0.45 | 0.63 |
| SWPA4020S470MT | 47±20% | 0.923 | 0.710 | 10 | 0.74 | 0.81 | 0.44 | 0.61 |
| SWPA4020S510MT | 51±20% | 0.975 | 0.750 | 10 | 0.70 | 0.77 | 0.42 | 0.59 |
| SWPA4020S560MT | 56±20% | 1.040 | 0.80 | 10 | 0.66 | 0.72 | 0.41 | 0.57 |
| SWPA4020S620MT | 62±20% | 1.170 | 0.90 | 9.6 | 0.65 | 0.71 | 0.39 | 0.52 |
| SWPA4020S680MT | 68±20% | 1.380 | 1.060 | 7.7 | 0.61 | 0.67 | 0.36 | 0.50 |
| SWPA4020S750MT | 75±20% | 1.510 | 1.160 | 7.7 | 0.70 | 0.77 | 0.35 | 0.49 |
| SWPA4020S820MT | 82±20% | 1.520 | 1.170 | 7.2 | 0.50 | 0.55 | 0.34 | 0.47 |
| SWPA4020S101MT | 100±20% | 2.020 | 1.550 | 6.3 | 0.48 | 0.53 | 0.31 | 0.43 |

SWPA4030S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ³ | | Heat Rating Current ⁴ | |
|----------------|------------|---------------|-------|-------------------------|---------------------------------|------|----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units | μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA4030SR47NT | 0.47±30% | 0.0104 | 0.008 | 184 | 7.80 | 9.80 | 5.20 | 5.90 |
| SWPA4030SR68NT | 0.68±30% | 0.013 | 0.010 | 130 | 6.80 | 8.00 | 4.56 | 5.10 |
| SWPA4030SR91NT | 0.91±30% | 0.017 | 0.013 | 100 | 6.25 | 6.80 | 4.15 | 4.70 |
| SWPA4030S1R0NT | 1.0±30% | 0.018 | 0.014 | 70 | 5.26 | 5.70 | 4.15 | 4.70 |
| SWPA4030S1R2NT | 1.2±30% | 0.020 | 0.015 | 80 | 5.80 | 6.30 | 3.82 | 4.20 |
| SWPA4030S1R5NT | 1.5±30% | 0.026 | 0.020 | 62 | 4.84 | 5.30 | 3.34 | 3.60 |
| SWPA4030S1R8NT | 1.8±30% | 0.033 | 0.025 | 60 | 5.40 | 5.80 | 3.20 | 3.30 |
| SWPA4030S2R2NT | 2.2±30% | 0.039 | 0.030 | 52 | 4.90 | 5.80 | 2.95 | 3.20 |
| SWPA4030S3R3MT | 3.3±20% | 0.052 | 0.040 | 38 | 3.30 | 3.60 | 2.40 | 2.60 |
| SWPA4030S3R6MT | 3.6±20% | 0.052 | 0.040 | 37 | 3.00 | 3.50 | 2.40 | 2.60 |
| SWPA4030S3R9MT | 3.9±20% | 0.074 | 0.057 | 32 | 3.00 | 3.30 | 2.10 | 2.30 |
| SWPA4030S4R3MT | 4.3±20% | 0.072 | 0.055 | 37 | 2.95 | 3.20 | 2.10 | 2.30 |
| SWPA4030S4R7MT | 4.7±20% | 0.078 | 0.060 | 31 | 2.90 | 3.20 | 2.00 | 2.30 |
| SWPA4030S5R6MT | 5.6±20% | 0.085 | 0.065 | 30 | 2.60 | 2.80 | 1.95 | 2.10 |
| SWPA4030S6R8MT | 6.8±20% | 0.117 | 0.090 | 24 | 2.75 | 3.00 | 1.60 | 1.70 |
| SWPA4030S7R5MT | 7.5±20% | 0.110 | 0.085 | 26 | 2.20 | 2.40 | 1.65 | 1.80 |
| SWPA4030S8R2MT | 8.2±20% | 0.117 | 0.090 | 26 | 2.10 | 2.30 | 1.60 | 1.70 |
| SWPA4030S100MT | 10±20% | 0.130 | 0.10 | 21 | 1.95 | 2.40 | 1.50 | 1.60 |
| SWPA4030S120MT | 12±20% | 0.175 | 0.135 | 18 | 1.70 | 1.80 | 1.30 | 1.40 |
| SWPA4030S150MT | 15±20% | 0.247 | 0.190 | 16 | 1.65 | 1.80 | 1.11 | 1.20 |
| SWPA4030S180MT | 18±20% | 0.260 | 0.20 | 10 | 1.40 | 1.50 | 1.10 | 1.20 |
| SWPA4030S220MT | 22±20% | 0.293 | 0.225 | 10 | 1.30 | 1.40 | 1.00 | 1.20 |
| SWPA4030S330MT | 33±20% | 0.429 | 0.330 | 10 | 1.10 | 1.20 | 0.84 | 0.92 |
| SWPA4030S360MT | 36±20% | 0.436 | 0.335 | 9.8 | 1.05 | 1.10 | 0.83 | 0.91 |
| SWPA4030S390MT | 39±20% | 0.566 | 0.435 | 10 | 1.03 | 1.10 | 0.73 | 0.80 |
| SWPA4030S470MT | 47±20% | 0.579 | 0.445 | 8.4 | 0.95 | 1.00 | 0.72 | 0.80 |
| SWPA4030S510MT | 51±20% | 0.611 | 0.470 | 8.4 | 0.90 | 1.13 | 0.70 | 0.80 |
| SWPA4030S560MT | 56±20% | 0.722 | 0.555 | 8.4 | 0.85 | 0.94 | 0.65 | 0.71 |
| SWPA4030S620MT | 62±20% | 0.760 | 0.585 | 7 | 0.80 | 0.99 | 0.63 | 0.70 |
| SWPA4030S680MT | 68±20% | 1.128 | 0.868 | 7 | 0.72 | 0.80 | 0.52 | 0.57 |

SPECIFICATIONS

SWPA4030S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ^{*3} | | Heat Rating Current ^{*4} | |
|----------------|------------|---------------|-------|-------------------------|----------------------------------|------|-----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units | μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA4030S750MT | 75±20% | 1.326 | 1.020 | 6.3 | 0.70 | 0.88 | 0.48 | 0.53 |
| SWPA4030S820MT | 82±20% | 1.378 | 1.060 | 5.6 | 0.66 | 0.72 | 0.47 | 0.52 |
| SWPA4030S910MT | 91±20% | 1.430 | 1.10 | 5.6 | 0.65 | 0.71 | 0.46 | 0.50 |
| SWPA4030S101MT | 100±20% | 1.495 | 1.150 | 5.6 | 0.60 | 0.73 | 0.45 | 0.49 |
| SWPA4030S121MT | 120±20% | 1.755 | 1.350 | 5.4 | 0.55 | 0.60 | 0.42 | 0.46 |
| SWPA4030S151MT | 150±20% | 2.340 | 1.80 | 4 | 0.50 | 0.55 | 0.30 | 0.35 |
| SWPA4030S471KT | 470±10% | 9.360 | 7.20 | 2 | 0.30 | 0.35 | 0.20 | 0.23 |
| SWPA4030S501MT | 500±20% | 9.027 | 6.944 | 2 | 0.28 | 0.30 | 0.15 | 0.20 |
| SWPA4030S681MT | 680±20% | 9.854 | 7.580 | 1.2 | 0.19 | 0.20 | 0.14 | 0.18 |

SWPA5012S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ^{*3} | | Heat Rating Current ^{*4} | |
|----------------|------------|---------------|-------|-------------------------|----------------------------------|------|-----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units | μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA5012S1R0NT | 1.0±30% | 0.068 | 0.057 | 103 | 4.40 | 4.70 | 2.00 | 2.40 |
| SWPA5012S1R5NT | 1.5±30% | 0.086 | 0.072 | 68 | 3.70 | 3.80 | 1.90 | 2.20 |
| SWPA5012S2R2NT | 2.2±30% | 0.108 | 0.090 | 50 | 3.10 | 3.20 | 1.70 | 2.00 |
| SWPA5012S3R3NT | 3.3±30% | 0.151 | 0.126 | 34 | 2.40 | 2.60 | 1.40 | 1.70 |
| SWPA5012S4R7NT | 4.7±30% | 0.197 | 0.164 | 31 | 2.20 | 2.30 | 1.30 | 1.50 |
| SWPA5012S6R8MT | 6.8±20% | 0.294 | 0.245 | 22 | 1.70 | 1.90 | 1.00 | 1.20 |
| SWPA5012S100MT | 10±20% | 0.413 | 0.344 | 17 | 1.40 | 1.50 | 0.85 | 1.00 |
| SWPA5012S150MT | 15±20% | 0.523 | 0.436 | 13 | 1.20 | 1.30 | 0.80 | 0.92 |
| SWPA5012S220MT | 22±20% | 0.858 | 0.780 | 16 | 0.88 | 0.98 | 0.60 | 0.68 |

SWPA5020S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ^{*3} | | Heat Rating Current ^{*4} | |
|----------------|------------|---------------|-------|-------------------------|----------------------------------|-------|-----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units | μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA5020SR22NT | 0.22±30% | 0.011 | 0.009 | 280 | 9.00 | 12.00 | 5.30 | 6.00 |
| SWPA5020SR24NT | 0.24±30% | 0.011 | 0.009 | 248 | 8.00 | 10.00 | 5.30 | 6.00 |
| SWPA5020SR47NT | 0.47±30% | 0.017 | 0.013 | 160 | 6.15 | 6.70 | 4.60 | 5.00 |
| SWPA5020SR56NT | 0.56±30% | 0.022 | 0.017 | 137 | 8.50 | 9.60 | 3.80 | 4.20 |
| SWPA5020SR68NT | 0.68±30% | 0.022 | 0.017 | 120 | 5.50 | 6.00 | 4.00 | 4.40 |
| SWPA5020SR75NT | 0.75±30% | 0.022 | 0.017 | 117 | 5.50 | 6.00 | 4.00 | 4.40 |
| SWPA5020S1R0NT | 1.0±30% | 0.026 | 0.020 | 114 | 4.10 | 5.00 | 3.80 | 4.10 |
| SWPA5020S1R2NT | 1.2±30% | 0.029 | 0.022 | 83 | 4.50 | 4.90 | 3.55 | 3.90 |
| SWPA5020S1R5NT | 1.5±30% | 0.034 | 0.026 | 68 | 4.10 | 4.50 | 3.20 | 3.50 |
| SWPA5020S2R2NT | 2.2±30% | 0.042 | 0.032 | 57 | 3.20 | 4.00 | 2.90 | 3.10 |
| SWPA5020S2R7NT | 2.7±30% | 0.049 | 0.038 | 52 | 2.90 | 3.50 | 2.70 | 2.90 |
| SWPA5020S3R0NT | 3.0±30% | 0.049 | 0.038 | 49 | 2.55 | 2.80 | 2.70 | 2.90 |
| SWPA5020S3R3NT | 3.3±30% | 0.056 | 0.043 | 46 | 2.55 | 3.00 | 2.50 | 2.70 |
| SWPA5020S3R6NT | 3.6±30% | 0.056 | 0.043 | 43 | 2.80 | 3.00 | 2.50 | 2.70 |

SPECIFICATIONS

SWPA5020S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ^{*3} | | Heat Rating Current ^{*4} | |
|----------------|------------|---------------|-------|-------------------------|----------------------------------|------|-----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units | μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA5020S3R9NT | 3.9±30% | 0.056 | 0.043 | 40 | 2.30 | 2.80 | 2.50 | 2.70 |
| SWPA5020S4R3MT | 4.3±20% | 0.074 | 0.057 | 37 | 2.50 | 3.00 | 2.20 | 2.40 |
| SWPA5020S4R7MT | 4.7±20% | 0.074 | 0.057 | 37 | 2.50 | 2.70 | 2.20 | 2.40 |
| SWPA5020S5R1MT | 5.1±20% | 0.083 | 0.064 | 32 | 2.25 | 2.60 | 2.05 | 2.20 |
| SWPA5020S5R6MT | 5.6±20% | 0.083 | 0.064 | 32 | 2.30 | 2.50 | 2.05 | 2.20 |
| SWPA5020S6R8MT | 6.8±20% | 0.108 | 0.083 | 30 | 2.05 | 2.20 | 1.80 | 1.90 |
| SWPA5020S7R5MT | 7.5±20% | 0.117 | 0.090 | 26 | 1.85 | 2.00 | 1.75 | 1.90 |
| SWPA5020S8R2MT | 8.2±20% | 0.127 | 0.098 | 26 | 1.85 | 2.00 | 1.65 | 1.80 |
| SWPA5020S9R1MT | 9.1±20% | 0.143 | 0.110 | 24 | 1.70 | 1.80 | 1.55 | 1.70 |
| SWPA5020S100MT | 10±20% | 0.143 | 0.110 | 24 | 1.70 | 1.80 | 1.55 | 1.70 |
| SWPA5020S120MT | 12±20% | 0.182 | 0.140 | 22 | 1.50 | 1.60 | 1.40 | 1.50 |
| SWPA5020S150MT | 15±20% | 0.215 | 0.165 | 20 | 1.35 | 1.40 | 1.25 | 1.30 |
| SWPA5020S180MT | 18±20% | 0.260 | 0.200 | 16 | 1.25 | 1.30 | 1.15 | 1.20 |
| SWPA5020S220MT | 22±20% | 0.294 | 0.226 | 14 | 1.15 | 1.20 | 1.10 | 1.20 |
| SWPA5020S330MT | 33±20% | 0.507 | 0.390 | 10 | 0.92 | 1.00 | 0.90 | 0.99 |
| SWPA5020S470MT | 47±20% | 0.680 | 0.523 | 7 | 0.77 | 0.84 | 0.77 | 0.84 |
| SWPA5020S560MT | 56±20% | 0.819 | 0.630 | 6 | 0.77 | 0.84 | 0.70 | 0.77 |
| SWPA5020S680MT | 68±20% | 0.962 | 0.740 | 6 | 0.65 | 0.70 | 0.64 | 0.70 |
| SWPA5020S820MT | 82±20% | 1.158 | 0.965 | 6 | 0.65 | 0.75 | 0.50 | 0.60 |
| SWPA5020S101MT | 100±20% | 1.430 | 1.100 | 6 | 0.53 | 0.58 | 0.53 | 0.58 |
| SWPA5020S121MT | 120±20% | 1.755 | 1.350 | 6 | 0.42 | 0.53 | 0.40 | 0.50 |
| SWPA5020S201MT | 200±20% | 2.60 | 2.00 | 4.5 | 0.30 | 0.33 | 0.40 | 0.45 |

SWPA5040S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ^{*3} | | Heat Rating Current ^{*4} | |
|----------------|------------|---------------|-------|-------------------------|----------------------------------|-------|-----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units | μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA5040SR22MT | 0.22 ±20% | 0.008 | 0.006 | 289 | 18.00 | 20.00 | 6.50 | 7.50 |
| SWPA5040SR24NT | 0.24 ±30% | 0.008 | 0.006 | 251 | 15.70 | 18.00 | 6.40 | 7.40 |
| SWPA5040SR47MT | 0.47 ±20% | 0.009 | 0.007 | 171 | 10.00 | 11.50 | 6.60 | 7.60 |
| SWPA5040S1R0NT | 1.0±30% | 0.016 | 0.012 | 117 | 7.35 | 8.20 | 4.90 | 5.10 |
| SWPA5040S1R2NT | 1.2±30% | 0.021 | 0.016 | 110 | 6.50 | 7.00 | 4.15 | 4.30 |
| SWPA5040S1R5NT | 1.5±30% | 0.020 | 0.015 | 86 | 6.30 | 7.30 | 4.30 | 4.80 |
| SWPA5040S1R8MT | 1.8±20% | 0.021 | 0.016 | 55 | 5.50 | 6.40 | 4.15 | 4.30 |
| SWPA5040S2R2NT | 2.2±30% | 0.025 | 0.019 | 50 | 4.90 | 5.50 | 3.80 | 4.30 |
| SWPA5040S2R7NT | 2.7±30% | 0.029 | 0.022 | 37 | 4.30 | 5.10 | 3.60 | 4.10 |
| SWPA5040S3R0NT | 3.0±30% | 0.029 | 0.022 | 37 | 4.15 | 4.80 | 3.60 | 4.20 |
| SWPA5040S3R3NT | 3.3±30% | 0.031 | 0.024 | 32 | 3.95 | 4.60 | 3.40 | 3.90 |
| SWPA5040S3R6MT | 3.6±20% | 0.031 | 0.026 | 30 | 3.80 | 4.40 | 3.30 | 3.70 |
| SWPA5040S3R9NT | 3.9±30% | 0.035 | 0.027 | 29 | 3.55 | 4.20 | 3.20 | 3.70 |
| SWPA5040S3R9NT | 3.9±30% | 0.035 | 0.027 | 29 | 3.55 | 4.20 | 3.20 | 3.70 |
| SWPA5040S4R7NT | 4.7±30% | 0.039 | 0.030 | 28 | 3.50 | 3.90 | 3.00 | 3.30 |
| SWPA5040S5R6MT | 5.6±20% | 0.046 | 0.035 | 27 | 3.00 | 3.70 | 2.80 | 3.10 |
| SWPA5040S6R8MT | 6.8±20% | 0.056 | 0.043 | 21 | 2.90 | 3.50 | 2.50 | 2.80 |
| SWPA5040S8R2MT | 8.2±20% | 0.062 | 0.048 | 20 | 2.70 | 3.00 | 2.30 | 2.60 |
| SWPA5040S100MT | 10±20% | 0.083 | 0.064 | 18 | 2.35 | 2.90 | 2.10 | 2.40 |

SPECIFICATIONS

SWPA5040S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ^{*3} | | Heat Rating Current ^{*4} | |
|----------------|------------|---------------|-------|-------------------------|----------------------------------|------|-----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units | μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA5040S120MT | 12±20% | 0.100 | 0.077 | 14 | 2.20 | 2.50 | 2.00 | 2.10 |
| SWPA5040S150MT | 15±20% | 0.112 | 0.086 | 13 | 2.00 | 2.30 | 2.00 | 2.10 |
| SWPA5040S180MT | 18±20% | 0.155 | 0.119 | 12 | 1.70 | 2.00 | 1.45 | 1.65 |
| SWPA5040S220MT | 22±20% | 0.168 | 0.129 | 11 | 1.60 | 1.90 | 1.50 | 1.60 |
| SWPA5040S270MT | 27±20% | 0.244 | 0.188 | 9.8 | 1.52 | 1.75 | 1.10 | 1.25 |
| SWPA5040S330MT | 33±20% | 0.244 | 0.188 | 9 | 1.30 | 1.50 | 1.20 | 1.40 |
| SWPA5040S470MT | 47±20% | 0.354 | 0.272 | 7 | 1.10 | 1.30 | 1.00 | 1.10 |
| SWPA5040S510MT | 51±20% | 0.494 | 0.380 | 6 | 1.00 | 1.20 | 1.00 | 1.10 |
| SWPA5040S560MT | 56±20% | 0.494 | 0.380 | 6 | 1.05 | 1.20 | 0.80 | 0.90 |
| SWPA5040S680MT | 68±20% | 0.520 | 0.40 | 6 | 0.90 | 1.10 | 0.80 | 0.90 |
| SWPA5040S750MT | 75±20% | 0.585 | 0.450 | 6 | 0.85 | 0.95 | 0.72 | 0.80 |
| SWPA5040S101MT | 100±20% | 0.728 | 0.560 | 5 | 0.75 | 0.85 | 0.70 | 0.80 |
| SWPA5040S151MT | 150±20% | 0.975 | 0.750 | 3.7 | 0.65 | 0.67 | 0.60 | 0.70 |
| SWPA5040S221MT | 220±20% | 1.820 | 1.400 | 3.0 | 0.48 | 0.55 | 0.40 | 0.50 |
| SWPA5040S301MT | 300±20% | 2.600 | 2.000 | 2.7 | 0.50 | 0.58 | 0.35 | 0.40 |
| SWPA5040S331MT | 330±20% | 2.730 | 2.100 | 2.7 | 0.42 | 0.47 | 0.40 | 0.50 |
| SWPA5040S471MT | 470±20% | 3.900 | 3.000 | 2.7 | 0.37 | 0.43 | 0.35 | 0.40 |
| SWPA5040S561MT | 560±20% | 4.914 | 3.780 | 1.52 | 0.31 | 0.36 | 0.31 | 0.35 |
| SWPA5040S681MT | 680±20% | 5.070 | 3.900 | 1.60 | 0.30 | 0.35 | 0.25 | 0.30 |

SWPA5045S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ^{*3} | | Heat Rating Current ^{*4} | |
|----------------|------------|---------------|-------|-------------------------|----------------------------------|------|-----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Typ. | | Typ. | |
| Units | μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA5045S1R5NT | 1.5±30% | 0.022 | 0.017 | 78 | 7.40 | 8.50 | 5.20 | 5.90 |
| SWPA5045S2R2NT | 2.2±20% | 0.029 | 0.022 | 50 | 6.40 | 7.20 | 4.70 | 5.40 |
| SWPA5045S3R3MT | 3.3±20% | 0.035 | 0.027 | 36 | 6.40 | 7.20 | 4.20 | 4.85 |
| SWPA5045S100MT | 10±20% | 0.079 | 0.061 | 17 | 3.20 | 3.70 | 2.50 | 2.90 |
| SWPA5045S220MT | 22±20% | 0.163 | 0.125 | 10 | 2.00 | 2.35 | 1.55 | 1.80 |

SWPA6012S Series

| Part Number | Inductance | DC Resistance | Self-resonant Frequency | Saturation Current ^{*3} | Heat Rating Current ^{*4} |
|----------------|------------|---------------|-------------------------|----------------------------------|-----------------------------------|
| | @100kHz,1V | Typ. | Min. | Typ. | Typ. |
| Units | μH | Ω | MHz | A | A |
| Symbol | L | DCR | S.R.F | Isat | Irms |
| SWPA6012S1R0NT | 1.00±30% | 0.055 | 80 | 3.52 | 2.30 |
| SWPA6012S1R5NT | 1.50±30% | 0.075 | 65 | 2.73 | 2.00 |
| SWPA6012S2R5NT | 2.5±30% | 0.090 | 45 | 2.10 | 1.80 |
| SWPA6012S3R3NT | 3.3±30% | 0.105 | 42 | 1.80 | 1.70 |
| SWPA6012S4R7NT | 4.7±30% | 0.125 | 36 | 1.60 | 1.55 |
| SWPA6012S5R3NT | 5.3±30% | 0.125 | 34 | 1.50 | 1.55 |
| SWPA6012S6R8NT | 6.8±30% | 0.165 | 30 | 1.30 | 1.35 |
| SWPA6012S100MT | 10±20% | 0.200 | 22 | 1.00 | 1.20 |
| SWPA6012S150MT | 15±20% | 0.295 | 18 | 1.80 | 0.80 |

SPECIFICATIONS

SWPA6012S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ^{*3} | | Heat Rating Current ^{*4} | |
|----------------|------------|---------------|------|-------------------------|----------------------------------|------|-----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units | μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA6012S220MT | 22±20% | 0.465 | | 12 | 0.76 | | 0.65 | |
| SWPA6012S330MT | 33±20% | 0.580 | | 8 | 0.59 | | 0.55 | |
| SWPA6012S470MT | 47±20% | 0.810 | | 6 | 0.52 | | 0.46 | |
| SWPA6012S680MT | 68±20% | 1.160 | | 3 | 0.44 | | 0.41 | |
| SWPA6012S101MT | 100±20% | 1.670 | | 1 | 0.35 | | 0.32 | |

SWPA6020S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ^{*3} | | Heat Rating Current ^{*4} | |
|----------------|------------|---------------|-------|-------------------------|----------------------------------|------|-----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units | μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA6020SR50NT | 0.50±30% | 0.018 | 0.014 | 120 | 4.50 | 6.00 | 4.00 | 5.00 |
| SWPA6020SR68NT | 0.68±30% | 0.022 | 0.017 | 115 | 6.55 | 7.80 | 3.80 | 4.80 |
| SWPA6020SR82NT | 0.82±30% | 0.022 | 0.017 | 110 | 5.30 | 6.30 | 3.80 | 4.80 |
| SWPA6020S1R0NT | 1.0±30% | 0.026 | 0.020 | 100 | 4.15 | 5.00 | 3.50 | 4.40 |
| SWPA6020S1R2NT | 1.2±30% | 0.029 | 0.022 | 88 | 5.90 | 7.00 | 3.20 | 4.00 |
| SWPA6020S1R5NT | 1.5±30% | 0.029 | 0.022 | 79 | 4.25 | 5.10 | 3.20 | 4.00 |
| SWPA6020S1R8NT | 1.8±30% | 0.036 | 0.028 | 68 | 4.85 | 5.80 | 2.75 | 3.50 |
| SWPA6020S2R0NT | 2.0±30% | 0.046 | 0.035 | 65 | 4.10 | 4.90 | 2.60 | 3.30 |
| SWPA6020S2R2NT | 2.2±30% | 0.036 | 0.028 | 61 | 3.75 | 4.50 | 2.75 | 3.50 |
| SWPA6020S2R7NT | 2.7±30% | 0.046 | 0.035 | 56 | 3.90 | 4.60 | 2.60 | 3.30 |
| SWPA6020S3R3NT | 3.3±30% | 0.046 | 0.035 | 51 | 3.15 | 3.70 | 2.60 | 3.30 |
| SWPA6020S3R9NT | 3.9±30% | 0.064 | 0.049 | 45 | 3.25 | 3.90 | 2.10 | 2.60 |
| SWPA6020S4R3NT | 4.3±30% | 0.064 | 0.049 | 44 | 2.70 | 3.20 | 2.10 | 2.60 |
| SWPA6020S4R7NT | 4.7±30% | 0.075 | 0.058 | 41 | 3.00 | 3.60 | 2.00 | 2.50 |
| SWPA6020S5R6NT | 5.6±30% | 0.075 | 0.058 | 36 | 2.40 | 2.90 | 1.90 | 2.40 |
| SWPA6020S6R2NT | 6.2±30% | 0.103 | 0.079 | 31 | 2.30 | 2.70 | 1.80 | 2.30 |
| SWPA6020S6R8NT | 6.8±30% | 0.103 | 0.079 | 31 | 2.20 | 2.60 | 1.80 | 2.30 |
| SWPA6020S8R2NT | 8.2±30% | 0.137 | 0.105 | 27 | 2.10 | 2.50 | 1.40 | 1.80 |
| SWPA6020S100MT | 10±20% | 0.137 | 0.105 | 27 | 1.75 | 2.10 | 1.40 | 1.80 |
| SWPA6020S120MT | 12±20% | 0.156 | 0.120 | 25 | 1.45 | 1.70 | 1.30 | 1.60 |
| SWPA6020S150MT | 15±20% | 0.189 | 0.145 | 21 | 1.20 | 1.40 | 1.20 | 1.50 |
| SWPA6020S180MT | 18±20% | 0.234 | 0.180 | 18 | 1.20 | 1.40 | 1.08 | 1.40 |
| SWPA6020S220MT | 22±20% | 0.265 | 0.204 | 16 | 1.05 | 1.20 | 1.00 | 1.30 |
| SWPA6020S330MT | 33±20% | 0.390 | 0.30 | 11 | 0.95 | 1.10 | 0.84 | 1.05 |
| SWPA6020S470MT | 47±20% | 0.559 | 0.430 | 10 | 0.70 | 0.90 | 0.80 | 0.90 |

SWPA6028S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ^{*3} | | Heat Rating Current ^{*4} | |
|----------------|------------|---------------|-------|-------------------------|----------------------------------|------|-----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units | μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA6028SR82NT | 0.82±30% | 0.016 | 0.012 | 97 | 6.50 | 9.00 | 5.20 | 6.00 |
| SWPA6028S1R0NT | 1.0±30% | 0.013 | 0.010 | 70 | 5.75 | 7.00 | 5.20 | 5.70 |
| SWPA6028S1R2NT | 1.2±30% | 0.017 | 0.013 | 69 | 6.40 | 7.50 | 4.58 | 5.00 |

SPECIFICATIONS

SWPA6028S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ³ | | Heat Rating Current ⁴ | |
|----------------|------------|---------------|-------|-------------------------|---------------------------------|------|----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units | μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA6028S1R5NT | 1.5±30% | 0.017 | 0.013 | 65 | 6.00 | 6.60 | 4.58 | 5.00 |
| SWPA6028S2R2NT | 2.2±30% | 0.026 | 0.020 | 48 | 5.10 | 5.60 | 3.75 | 4.10 |
| SWPA6028S2R7NT | 2.7±30% | 0.026 | 0.020 | 48 | 3.80 | 4.10 | 3.75 | 4.10 |
| SWPA6028S3R3NT | 3.3±30% | 0.033 | 0.025 | 41 | 4.15 | 4.50 | 3.48 | 3.80 |
| SWPA6028S4R7NT | 4.7±30% | 0.039 | 0.030 | 35 | 3.00 | 3.30 | 3.08 | 3.40 |
| SWPA6028S5R1NT | 5.1±30% | 0.056 | 0.043 | 32 | 3.20 | 3.50 | 2.60 | 2.80 |
| SWPA6028S6R2MT | 6.2±20% | 0.061 | 0.047 | 30 | 3.05 | 3.30 | 2.40 | 2.60 |
| SWPA6028S6R8MT | 6.8±20% | 0.061 | 0.047 | 27 | 2.60 | 3.00 | 2.40 | 2.60 |
| SWPA6028S8R2MT | 8.2±20% | 0.072 | 0.055 | 24 | 2.30 | 2.50 | 2.25 | 2.50 |
| SWPA6028S9R1MT | 9.1±20% | 0.096 | 0.074 | 24 | 2.55 | 2.80 | 2.15 | 2.40 |
| SWPA6028S100MT | 10±20% | 0.094 | 0.072 | 23 | 2.04 | 2.50 | 1.95 | 2.40 |
| SWPA6028S120MT | 12±20% | 0.104 | 0.080 | 18 | 1.80 | 2.00 | 1.85 | 2.00 |
| SWPA6028S150MT | 15±20% | 0.163 | 0.125 | 18 | 1.75 | 1.90 | 1.45 | 1.60 |
| SWPA6028S180MT | 18±20% | 0.156 | 0.120 | 15 | 1.52 | 1.80 | 1.45 | 1.60 |
| SWPA6028S220MT | 22±20% | 0.182 | 0.140 | 14 | 1.45 | 1.80 | 1.40 | 1.60 |
| SWPA6028S270MT | 27±20% | 0.202 | 0.155 | 13 | 1.50 | 1.60 | 1.32 | 1.40 |
| SWPA6028S330MT | 33±20% | 0.241 | 0.185 | 12 | 1.35 | 1.50 | 1.22 | 1.30 |
| SWPA6028S360MT | 36±20% | 0.280 | 0.215 | 11 | 1.25 | 1.40 | 1.13 | 1.20 |
| SWPA6028S390MT | 39±20% | 0.293 | 0.225 | 11 | 1.25 | 1.40 | 1.10 | 1.20 |
| SWPA6028S470MT | 47±20% | 0.410 | 0.315 | 9.5 | 1.15 | 1.30 | 1.06 | 1.10 |
| SWPA6028S560MT | 56±20% | 0.449 | 0.345 | 8.2 | 1.05 | 1.20 | 0.89 | 1.00 |
| SWPA6028S680MT | 68±20% | 0.468 | 0.360 | 7.7 | 0.80 | 0.95 | 0.86 | 0.95 |
| SWPA6028S750MT | 75±20% | 0.533 | 0.410 | 7.7 | 0.90 | 0.99 | 0.81 | 0.90 |
| SWPA6028S820MT | 82±20% | 0.650 | 0.50 | 7.7 | 0.80 | 0.88 | 0.70 | 0.77 |
| SWPA6028S101MT | 100±20% | 0.650 | 0.50 | 7.1 | 0.65 | 0.71 | 0.70 | 0.77 |
| SWPA6028S401MT | 400±20% | 2.808 | 2.160 | 2.8 | 0.30 | 0.33 | 0.40 | 0.45 |

SWPA6045S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ³ | | Heat Rating Current ⁴ | |
|----------------|------------|---------------|-------|-------------------------|---------------------------------|-------|----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units | μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA6045SR47NT | 0.47±30% | 0.008 | 0.006 | 155 | 15.00 | 16.50 | 6.50 | 6.60 |
| SWPA6045SR56NT | 0.56±30% | 0.008 | 0.006 | 142 | 14.00 | 15.00 | 6.50 | 7.50 |
| SWPA6045SR68NT | 0.68±30% | 0.008 | 0.006 | 99 | 11.00 | 12.00 | 5.70 | 6.50 |
| SWPA6045SR82NT | 0.82±30% | 0.010 | 0.008 | 140 | 10.35 | 11.00 | 5.90 | 6.50 |
| SWPA6045S1R0NT | 1.0±30% | 0.014 | 0.011 | 100 | 9.85 | 10.00 | 5.14 | 5.60 |
| SWPA6045S1R2NT | 1.2±30% | 0.013 | 0.010 | 100 | 8.35 | 9.10 | 5.40 | 5.90 |
| SWPA6045S1R3NT | 1.3±30% | 0.013 | 0.010 | 100 | 8.35 | 9.10 | 5.40 | 5.90 |
| SWPA6045S1R5NT | 1.5±30% | 0.016 | 0.012 | 65 | 8.80 | 9.70 | 4.95 | 5.40 |
| SWPA6045S1R8NT | 1.8±30% | 0.016 | 0.012 | 74 | 7.60 | 8.40 | 4.95 | 5.40 |
| SWPA6045S2R2NT | 2.2±30% | 0.018 | 0.014 | 52 | 6.75 | 7.40 | 4.60 | 5.00 |
| SWPA6045S2R3NT | 2.3±30% | 0.027 | 0.021 | 60 | 6.00 | 6.60 | 3.50 | 3.80 |
| SWPA6045S2R7NT | 2.7±30% | 0.020 | 0.015 | 38 | 5.75 | 6.30 | 4.30 | 4.70 |
| SWPA6045S3R0NT | 3.0±30% | 0.026 | 0.020 | 35 | 5.60 | 6.20 | 3.80 | 4.20 |
| SWPA6045S3R3NT | 3.3±30% | 0.027 | 0.021 | 32 | 5.90 | 6.20 | 3.70 | 4.00 |

SPECIFICATIONS

SWPA6045S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ^{*3} | | Heat Rating Current ^{*4} | |
|----------------|------------------|---------------|-------|-------------------------|----------------------------------|-------|-----------------------------------|-------|
| | | Max. | Typ. | | Min. | Max. | Typ. | Max. |
| Units | @100kHz,1V μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA6045S3R6NT | 3.6±30% | 0.027 | 0.021 | 28 | 5.25 | 5.70 | 3.70 | 4.00 |
| SWPA6045S4R3MT | 4.3±20% | 0.030 | 0.023 | 23 | 4.45 | 4.90 | 3.50 | 3.80 |
| SWPA6045S4R5MT | 4.5±20% | 0.034 | 0.026 | 24 | 4.97 | 5.50 | 3.30 | 3.60 |
| SWPA6045S4R7MT | 4.7±20% | 0.034 | 0.026 | 24 | 4.97 | 5.50 | 3.30 | 3.60 |
| SWPA6045S5R1MT | 5.1±20% | 0.034 | 0.026 | 23 | 4.40 | 4.80 | 3.30 | 3.60 |
| SWPA6045S5R6MT | 5.6±20% | 0.038 | 0.029 | 23 | 4.15 | 4.60 | 3.15 | 3.40 |
| SWPA6045S6R2MT | 6.2±20% | 0.040 | 0.031 | 26 | 4.43 | 4.80 | 3.00 | 3.30 |
| SWPA6045S6R3MT | 6.3±20% | 0.040 | 0.031 | 26 | 4.43 | 4.70 | 3.00 | 3.30 |
| SWPA6045S6R8MT | 6.8±20% | 0.040 | 0.031 | 20 | 3.90 | 4.30 | 3.00 | 3.30 |
| SWPA6045S7R5MT | 7.5±20% | 0.044 | 0.034 | 18 | 3.50 | 3.80 | 2.90 | 3.20 |
| SWPA6045S8R2MT | 8.2±20% | 0.056 | 0.043 | 21 | 3.90 | 4.30 | 2.60 | 2.80 |
| SWPA6045S9R1MT | 9.1±20% | 0.056 | 0.043 | 17 | 3.35 | 3.70 | 2.60 | 2.80 |
| SWPA6045S100MT | 10±20% | 0.062 | 0.048 | 15 | 3.20 | 3.50 | 2.45 | 2.70 |
| SWPA6045S120MT | 12±20% | 0.075 | 0.058 | 13 | 2.80 | 3.00 | 2.20 | 2.40 |
| SWPA6045S150MT | 15±20% | 0.088 | 0.068 | 12 | 2.50 | 2.70 | 2.05 | 2.20 |
| SWPA6045S180MT | 18±20% | 0.105 | 0.081 | 10 | 2.20 | 2.40 | 1.85 | 2.00 |
| SWPA6045S220MT | 22±20% | 0.116 | 0.089 | 10 | 2.05 | 2.20 | 1.80 | 2.00 |
| SWPA6045S270MT | 27±20% | 0.133 | 0.102 | 9.2 | 1.90 | 2.10 | 1.65 | 1.80 |
| SWPA6045S300MT | 30±20% | 0.172 | 0.132 | 7.8 | 1.70 | 1.80 | 1.50 | 1.60 |
| SWPA6045S330MT | 33±20% | 0.178 | 0.137 | 7.8 | 1.65 | 1.80 | 1.45 | 1.60 |
| SWPA6045S360MT | 36±20% | 0.225 | 0.173 | 7.8 | 1.62 | 1.80 | 1.40 | 1.50 |
| SWPA6045S390MT | 39±20% | 0.234 | 0.180 | 7.8 | 1.50 | 1.60 | 1.25 | 1.40 |
| SWPA6045S430MT | 43±20% | 0.260 | 0.20 | 7.7 | 1.63 | 1.80 | 1.20 | 1.30 |
| SWPA6045S470MT | 47±20% | 0.260 | 0.20 | 6.4 | 1.40 | 1.50 | 1.20 | 1.30 |
| SWPA6045S510MT | 51±20% | 0.269 | 0.207 | 6.4 | 1.35 | 1.50 | 1.15 | 1.20 |
| SWPA6045S560MT | 56±20% | 0.287 | 0.221 | 6.4 | 1.30 | 1.40 | 1.10 | 1.20 |
| SWPA6045S620MT | 62±20% | 0.306 | 0.235 | 6.4 | 1.25 | 1.40 | 1.10 | 1.20 |
| SWPA6045S680MT | 68±20% | 0.376 | 0.289 | 6.4 | 1.20 | 1.30 | 1.00 | 1.10 |
| SWPA6045S750MT | 75±20% | 0.397 | 0.305 | 5 | 1.15 | 1.20 | 0.95 | 1.00 |
| SWPA6045S820MT | 82±20% | 0.443 | 0.341 | 4.9 | 1.05 | 1.10 | 0.90 | 0.99 |
| SWPA6045S910MT | 91±20% | 0.467 | 0.359 | 4.9 | 1.00 | 1.10 | 0.85 | 0.94 |
| SWPA6045S101MT | 100±20% | 0.563 | 0.433 | 4.2 | 0.95 | 1.00 | 0.80 | 0.88 |
| SWPA6045S121MT | 120±20% | 0.629 | 0.484 | 4.2 | 0.85 | 0.94 | 0.77 | 0.85 |
| SWPA6045S151MT | 150±20% | 0.754 | 0.580 | 4.2 | 0.80 | 0.88 | 0.70 | 0.77 |
| SWPA6045S221MT | 220±20% | 1.084 | 0.834 | 3.5 | 0.70 | 0.77 | 0.59 | 0.65 |
| SWPA6045S331MT | 330±20% | 1.651 | 1.270 | 2.8 | 0.57 | 0.63 | 0.57 | 0.63 |
| SWPA6045S471MT | 470±20% | 2.340 | 1.80 | 2.0 | 0.500 | 0.560 | 0.420 | 0.480 |
| SWPA6045S681MT | 680±20% | 3.250 | 2.50 | 1.7 | 0.420 | 0.460 | 0.330 | 0.380 |

SWPA8040S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ^{*3} | | Heat Rating Current ^{*4} | |
|----------------|------------------|---------------|-------|-------------------------|----------------------------------|-------|-----------------------------------|------|
| | | Max. | Typ. | | Min. | Max. | Typ. | Max. |
| Units | @100kHz,1V μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA8040SR82NT | 0.82±30% | 0.010 | 0.008 | 94 | 13.80 | 16.00 | 6.30 | 6.90 |
| SWPA8040S1R0NT | 1.0±30% | 0.010 | 0.008 | 89 | 9.85 | 14.00 | 6.30 | 6.90 |
| SWPA8040S1R2NT | 1.2±30% | 0.013 | 0.010 | 59 | 10.00 | 14.00 | 5.65 | 6.20 |

SPECIFICATIONS

SWPA8040S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ^{*3} | | Heat Rating Current ^{*4} | |
|----------------|------------|---------------|-------|-------------------------|----------------------------------|-------|-----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units | μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA8040S1R5NT | 1.5±30% | 0.013 | 0.010 | 67 | 8.15 | 11.00 | 5.65 | 6.20 |
| SWPA8040S2R0NT | 2.0±30% | 0.016 | 0.012 | 43 | 9.25 | 10.00 | 5.15 | 5.60 |
| SWPA8040S2R2NT | 2.2±30% | 0.016 | 0.012 | 41 | 7.10 | 8.00 | 5.15 | 5.60 |
| SWPA8040S3R0NT | 3.0±30% | 0.018 | 0.014 | 32 | 6.10 | 7.00 | 4.70 | 5.20 |
| SWPA8040S3R3NT | 3.3±30% | 0.022 | 0.017 | 27 | 6.50 | 7.00 | 4.40 | 4.80 |
| SWPA8040S3R6NT | 3.6±30% | 0.022 | 0.017 | 30 | 7.52 | 8.50 | 4.35 | 4.80 |
| SWPA8040S3R9NT | 3.9±30% | 0.022 | 0.017 | 26 | 5.75 | 6.50 | 4.35 | 4.80 |
| SWPA8040S4R7NT | 4.7±30% | 0.025 | 0.019 | 24 | 5.90 | 6.50 | 4.10 | 4.50 |
| SWPA8040S5R1NT | 5.1±30% | 0.025 | 0.019 | 22 | 4.70 | 5.40 | 4.05 | 4.40 |
| SWPA8040S5R6NT | 5.6±30% | 0.027 | 0.021 | 24 | 6.00 | 6.90 | 3.85 | 4.20 |
| SWPA8040S6R2NT | 6.2±30% | 0.027 | 0.021 | 20 | 4.45 | 5.10 | 3.85 | 4.20 |
| SWPA8040S6R8MT | 6.8±20% | 0.031 | 0.024 | 20 | 4.55 | 5.20 | 3.60 | 4.00 |
| SWPA8040S8R2MT | 8.2±20% | 0.034 | 0.026 | 17 | 4.20 | 4.80 | 3.45 | 3.80 |
| SWPA8040S100MT | 10±20% | 0.038 | 0.029 | 15 | 3.60 | 4.10 | 3.30 | 3.60 |
| SWPA8040S120MT | 12±20% | 0.053 | 0.041 | 13 | 3.50 | 4.00 | 2.80 | 3.00 |
| SWPA8040S150MT | 15±20% | 0.061 | 0.047 | 12 | 2.95 | 3.40 | 2.60 | 2.80 |
| SWPA8040S180MT | 18±20% | 0.069 | 0.053 | 11 | 2.70 | 3.10 | 2.40 | 2.60 |
| SWPA8040S220MT | 22±20% | 0.090 | 0.069 | 9.5 | 2.40 | 2.70 | 2.10 | 2.30 |
| SWPA8040S270MT | 27±20% | 0.101 | 0.078 | 9.2 | 2.15 | 2.50 | 2.00 | 2.20 |
| SWPA8040S330MT | 33±20% | 0.126 | 0.097 | 7.8 | 2.05 | 2.40 | 1.80 | 2.00 |
| SWPA8040S360MT | 36±20% | 0.133 | 0.102 | 7.8 | 2.00 | 2.30 | 1.75 | 1.90 |
| SWPA8040S390MT | 39±20% | 0.139 | 0.107 | 7.8 | 1.95 | 2.20 | 1.70 | 1.90 |
| SWPA8040S430MT | 43±20% | 0.147 | 0.113 | 7.8 | 1.90 | 2.20 | 1.65 | 1.80 |
| SWPA8040S470MT | 47±20% | 0.177 | 0.136 | 6.4 | 1.75 | 2.00 | 1.55 | 1.70 |
| SWPA8040S510MT | 51±20% | 0.185 | 0.142 | 6.4 | 1.70 | 1.90 | 1.50 | 1.60 |
| SWPA8040S560MT | 56±20% | 0.192 | 0.148 | 6.4 | 1.55 | 1.70 | 1.45 | 1.60 |
| SWPA8040S620MT | 62±20% | 0.237 | 0.182 | 6.4 | 1.50 | 1.60 | 1.30 | 1.40 |
| SWPA8040S680MT | 68±20% | 0.255 | 0.196 | 4.9 | 1.45 | 1.60 | 1.25 | 1.40 |
| SWPA8040S750MT | 75±20% | 0.274 | 0.211 | 4.9 | 1.35 | 1.50 | 1.20 | 1.30 |
| SWPA8040S820MT | 82±20% | 0.293 | 0.225 | 5.9 | 1.30 | 1.40 | 1.15 | 1.20 |
| SWPA8040S910MT | 91±20% | 0.354 | 0.272 | 4.9 | 1.20 | 1.30 | 1.05 | 1.10 |
| SWPA8040S101MT | 100±20% | 0.377 | 0.290 | 4.2 | 1.15 | 1.30 | 1.00 | 1.10 |
| SWPA8040S121MT | 120±20% | 0.434 | 0.334 | 3.5 | 1.05 | 1.10 | 0.95 | 1.00 |
| SWPA8040S151MT | 150±20% | 0.533 | 0.410 | 3.5 | 1.10 | 1.20 | 0.85 | 0.94 |
| SWPA8040S181MT | 180±20% | 0.676 | 0.520 | 3.5 | 0.95 | 1.15 | 0.83 | 0.92 |
| SWPA8040S221MT | 220±20% | 0.779 | 0.599 | 3.5 | 0.85 | 0.94 | 0.80 | 0.88 |
| SWPA8040S331MT | 330±20% | 1.156 | 0.889 | 2.8 | 0.68 | 0.75 | 0.64 | 0.70 |
| SWPA8040S471MT | 470±20% | 1.625 | 1.260 | 2.1 | 0.60 | 0.70 | 0.50 | 0.60 |

SWPA8060S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ^{*3} | | Heat Rating Current ^{*4} | |
|-------------------|------------|---------------|------|-------------------------|----------------------------------|------|-----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units | μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | Irms | |
| SWPA8060S681KTY01 | 680±10% | 2.17 | 1.81 | 1.26 | 0.72 | 0.82 | 0.46 | 0.53 |

SPECIFICATIONS

SWPA8065S Series

| Part Number | Inductance | DC Resistance | | Self-resonant Frequency | Saturation Current ^{*3} | | Heat Rating Current ^{*4} | |
|----------------|------------|---------------|-------|-------------------------|----------------------------------|-------|-----------------------------------|------|
| | @100kHz,1V | Max. | Typ. | Min. | Max. | Typ. | Max. | Typ. |
| Units | μH | Ω | | MHz | A | | A | |
| Symbol | L | DCR | | S.R.F | Isat | | I _{rms} | |
| SWPA8065S1R0MT | 1.0±20% | 0.011 | 0.008 | 96 | 20.0 | 22.0 | 7.00 | 8.00 |
| SWPA8065S3R3MT | 3.3±20% | 0.018 | 0.015 | 27 | 9.50 | 10.00 | 5.10 | 5.90 |
| SWPA8065S4R7MT | 4.7±20% | 0.022 | 0.018 | 18 | 8.50 | 9.50 | 4.70 | 5.40 |
| SWPA8065S5R6MT | 5.6±20% | 0.026 | 0.022 | 17 | 8.00 | 9.00 | 4.50 | 5.20 |
| SWPA8065S6R8MT | 6.8±20% | 0.026 | 0.022 | 16 | 7.50 | 8.00 | 4.50 | 5.20 |
| SWPA8065S8R2MT | 8.2±20% | 0.031 | 0.026 | 15 | 7.00 | 7.70 | 4.20 | 4.80 |
| SWPA8065S100MT | 10±20% | 0.044 | 0.037 | 13 | 8.00 | 8.90 | 3.20 | 3.70 |
| SWPA8065S220MT | 22±20% | 0.072 | 0.060 | 8 | 4.30 | 4.80 | 2.70 | 3.10 |
| SWPA8065S101MT | 100±20% | 0.028 | 0.233 | 3.1 | 2.00 | 2.40 | 1.35 | 1.45 |
| SWPA8065S151MT | 150±20% | 0.440 | 0.353 | 2.5 | 1.60 | 2.00 | 0.95 | 1.10 |
| SWPA8065S221MT | 220±20% | 0.656 | 0.547 | 2.0 | 1.20 | 1.50 | 0.80 | 0.90 |
| SWPA8065S331MT | 330±20% | 0.840 | 0.700 | 1.7 | 1.00 | 1.20 | 0.75 | 0.85 |
| SWPA8065S431MT | 430±20% | 1.20 | 1.00 | 1.5 | 0.95 | 1.05 | 0.61 | 0.69 |

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

※2: Rated current: Isat or I_{rms}, whichever is smaller;

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

※*4: I_{rms}: DC current that causes the temperature rise (ΔT =40°C) from 20°C ambient.

TYPICAL ELECTRICAL CHARACTERISTICS

SWPA252010S Series

Temperature vs. DC Current Characteristics



Inductance vs. DC Current Characteristics



SWPA252012S Series

Temperature vs. DC Current Characteristics



Inductance vs. DC Current Characteristics



TYPICAL ELECTRICAL 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



TYPICAL ELECTRICAL CHARACTERISTICS

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



SWPA4030S Series

Temperature vs. DC Current Characteristics



Inductance vs. DC Current Characteristics



TYPICAL ELECTRICAL CHARACTERISTICS

SWPA5012S Series

Temperature vs. DC Current Characteristics



Inductance vs. DC Current Characteristics



SWPA5020S Series

Temperature vs. DC Current Characteristics

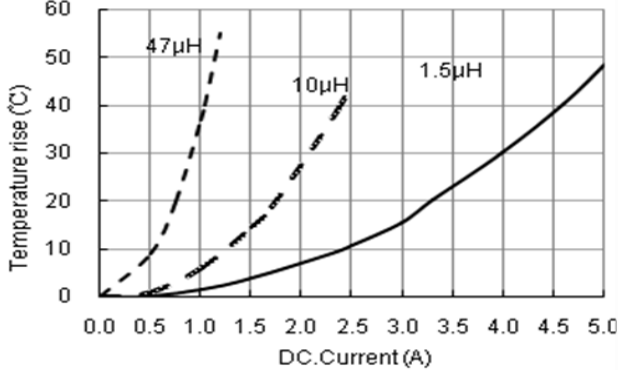


Inductance vs. DC Current Characteristics

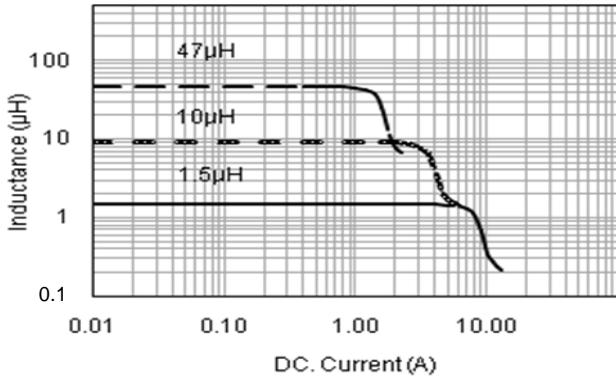


SWPA5040S Series

Temperature vs. DC Current Characteristics



Inductance vs. DC Current Characteristics



SWPA6012S Series

Temperature vs. DC Current Characteristics



Inductance vs. DC Current Characteristics



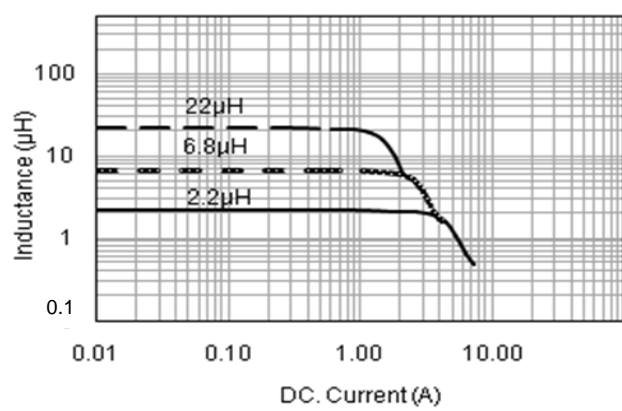
TYPICAL ELECTRICAL CHARACTERISTICS

SWPA6020S Series

Temperature vs. DC Current Characteristics

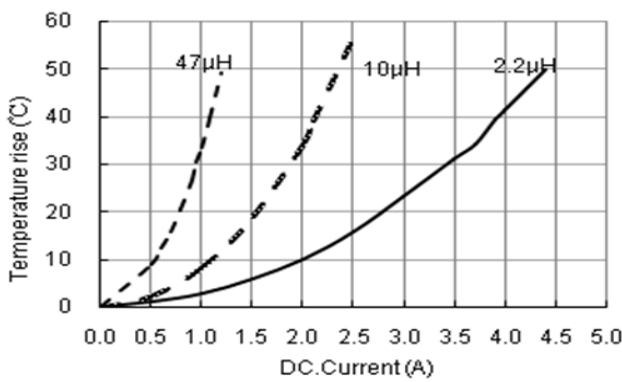


Inductance vs. DC Current Characteristics

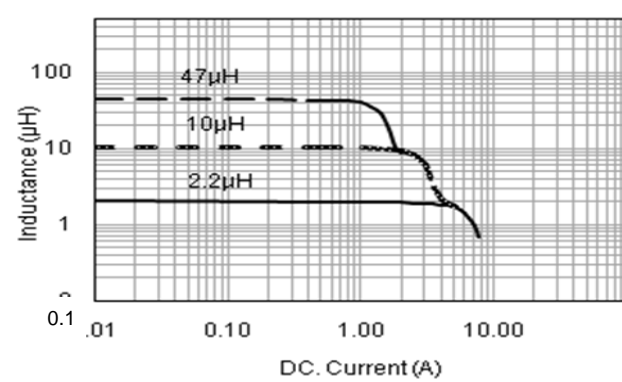


SWPA6028S Series

Temperature vs. DC Current Characteristics

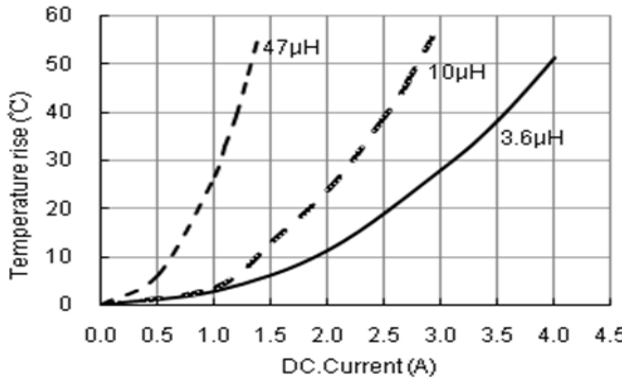


Inductance vs. DC Current Characteristics

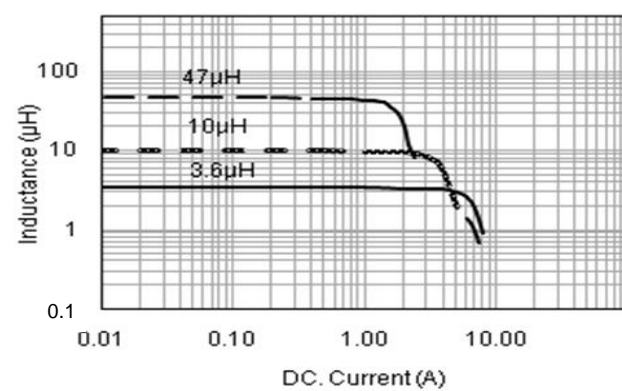


SWPA6045S Series

Temperature vs. DC Current Characteristics

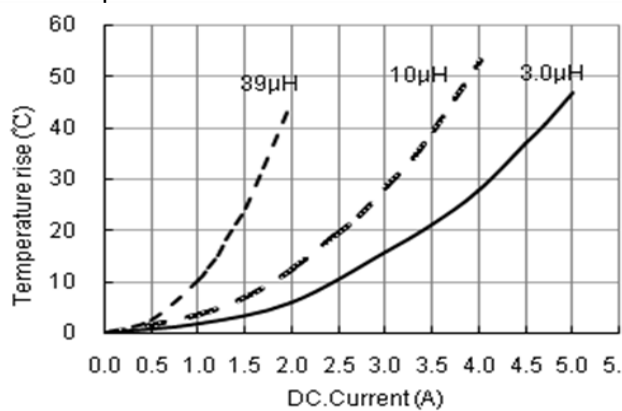


Inductance vs. DC Current Characteristics

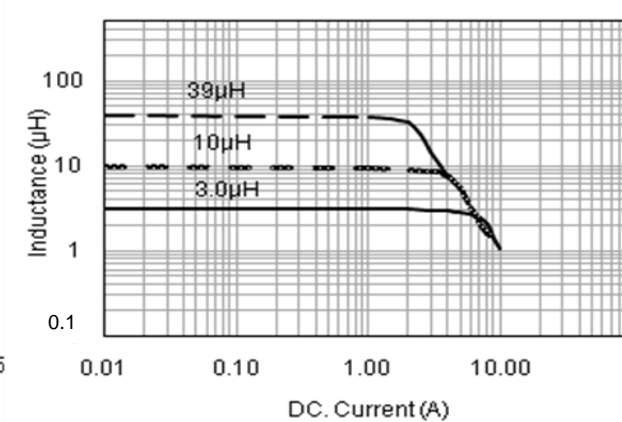


SWPA8040S Series

Temperature vs. DC Current Characteristics



Inductance vs. DC Current Characteristics



TYPICAL ELECTRICAL CHARACTERISTICS

SWPA8065S Series

Temperature vs. DC Current Characteristics



Inductance vs. DC Current Characteristics



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