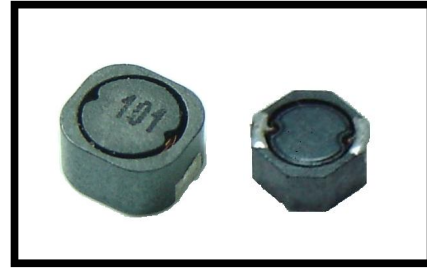


■ PSS系列功率電感
PSS SERIES SMD POWER INDUCTORS



● 特征 FEATURES:

- 超薄; • Low profile
- 屏蔽結構; • Magnetic shielded
- 適合于表面貼裝,適合于回流焊。 • SMT type, suitable for reflow soldering.

● 應用 APPLICATIONS

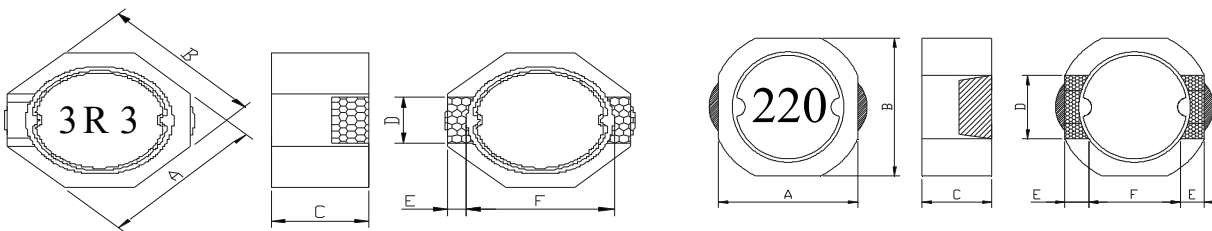
- 移動通信; • Portable communication equipment
- 筆記本電腦; • Notebook Computer
- DC/DC轉換。 • DC/DC converters etc.

● 產品規格型號的表示方法HOW TO ORDER

PSS 5020 — 150 M T
① ② ③ ④ ⑤

| ① 產品代號 Product Code | | ② 規格尺寸(L×W×T) (mm) Dimensions | | ③ 感量(μH) Inductance | | ④ 誤差 Tolerance | | ⑤ 包裝方式 Packaging Style | |
|------------------------|---------------|-------------------------------------|--------------|------------------------|------|-------------------|------|---------------------------|---------------------|
| PSS | PSS系列 功率電感 | 3011 | 3.2×3.3×1.2 | 150 | 15 | M | ±20% | T | 卷帶盤裝 Tape & Reel |
| | | 3014 | 3.2×3.3×1.55 | 101 | 100 | N | ±30% | B | 散裝 Bulk |
| | | 4018 | 4.0×4.4×1.8 | 102 | 1000 | | | | |
| | | 5020 | 5.0×5.0×2.0 | | | | | | |
| | | 5030 | 5.0×5.0×3.0 | | | | | | |
| | | 6030 | 6.0×6.0×3.0 | | | | | | |

● 外形尺寸 DIMENSIONS



PSS4018/5020/5030

PSS6025/6030

單位Unit: mm

| 型號Part | A | B | C | D |
|---------|---------|---------|---------|-----|
| PSS4018 | 3.8±0.3 | 3.8±0.3 | 1.7±0.2 | 1.4 |
| PSS5020 | 5.0±0.3 | 5.0±0.3 | 2.0±0.3 | 1.7 |
| PSS5030 | 5.0±0.3 | 5.0±0.3 | 2.8±0.3 | 1.7 |

單位Unit: mm

| 型號Part | A | B | C | D |
|---------|---------|---------|---------|-----|
| PSS6025 | 6.0±0.3 | 5.6±0.3 | 2.5±0.3 | 2.5 |
| PSS6030 | 6.0±0.3 | 5.6±0.3 | 3.0±0.3 | 2.5 |

電性能參數ELECTRICAL CHARACTERISTICS

PSS4018 Series

| 型號 Part Number | 電感量 L (μH) | 公差 Tolerance | 測試頻率 Test Freq. | 直流電阻 DCR(Ω)Max | Isat(A) |
|-------------------|---------------|-----------------|--------------------|-------------------|---------|
| PSS4018-1R5NT | 1.5 | ±30% | 100kHz | 0.0520 | 1.55 |
| PSS4018-2R2NT | 2.2 | ±30% | 100kHz | 0.070 | 1.20 |
| PSS4018-3R3NT | 3.3 | ±30% | 100kHz | 0.110 | 1.10 |
| PSS4018-4R7NT | 4.7 | ±30% | 100kHz | 0.132 | 0.90 |
| PSS4018-6R8NT | 6.8 | ±30% | 100kHz | 0.170 | 0.73 |
| PSS4018-100MT | 10 | ±20% | 100kHz | 0.210 | 0.55 |
| PSS4018-150MT | 15 | ±20% | 100kHz | 0.295 | 0.45 |
| PSS4018-220MT | 22 | ±20% | 100kHz | 0.430 | 0.40 |
| PSS4018-330MT | 33 | ±20% | 100kHz | 0.675 | 0.32 |
| PSS4018-390MT | 39 | ±20% | 100kHz | 0.690 | 0.27 |
| PSS4018-470MT | 47 | ±20% | 100kHz | 1.050 | 0.25 |
| PSS4018-680MT | 68 | ±20% | 100kHz | 1.500 | 0.22 |
| PSS4018-820MT | 82 | ±20% | 100kHz | 1.700 | 0.20 |
| PSS4018-101MT | 100 | ±20% | 100kHz | 1.800 | 0.22 |
| PSS4018-221MT | 220 | ±20% | 100kHz | 6.000 | 0.12 |

PSS5020 Series

| 型號 Part Number | 電感量 L (μH) | 公差 Tolerance | 測試頻率 Test Freq. | 直流電阻 DCR(Ω)Max | Isat(A) |
|-------------------|---------------|-----------------|--------------------|-------------------|---------|
| PSS5020-1R0NT | 1.0 | ±30% | 100kHz | 0.040 | 3.00 |
| PSS5020-1R2NT | 1.2 | ±30% | 100kHz | 0.044 | 2.80 |
| PSS5020-2R2NT | 2.2 | ±30% | 100kHz | 0.059 | 2.55 |
| PSS5020-3R3NT | 3.3 | ±30% | 100kHz | 0.065 | 2.00 |
| PSS5020-4R7NT | 4.7 | ±30% | 100kHz | 0.085 | 1.85 |
| PSS5020-6R8NT | 6.8 | ±30% | 100kHz | 0.128 | 1.19 |
| PSS5020-100MT | 10 | ±20% | 100kHz | 0.180 | 1.02 |
| PSS5020-150MT | 15 | ±20% | 100kHz | 0.250 | 0.75 |
| PSS5020-220MT | 22 | ±20% | 100kHz | 0.300 | 0.74 |
| PSS5020-330MT | 33 | ±20% | 100kHz | 0.390 | 0.65 |
| PSS5020-470MT | 47 | ±20% | 100kHz | 0.700 | 0.42 |
| PSS5020-680MT | 68 | ±20% | 100kHz | 0.800 | 0.40 |
| PSS5020-101MT | 100 | ±20% | 100kHz | 1.68 | 0.32 |

PS5030 Series

| 型號 Part Number | 電感量 L (μH) | 公差 Tolerance | 測試頻率 Test Freq. | 直流電阻 DCR(Ω)Max | Isat(A) |
|-------------------|---------------|-----------------|--------------------|-------------------|---------|
| PSS5030-1R2NT | 1.2 | ±30% | 100kHz | 0.030 | 3.50 |
| PSS5030-2R2NT | 2.2 | ±30% | 100kHz | 0.036 | 3.30 |
| PSS5030-3R3NT | 3.3 | ±30% | 100kHz | 0.045 | 2.20 |
| PSS5030-4R7NT | 4.7 | ±30% | 100kHz | 0.060 | 2.05 |
| PSS5030-6R8NT | 6.8 | ±30% | 100kHz | 0.085 | 1.85 |
| PSS5030-100MT | 10 | ±20% | 100kHz | 0.108 | 1.45 |
| PSS5030-150MT | 15 | ±20% | 100kHz | 0.150 | 1.25 |
| PSS5030-220MT | 22 | ±20% | 100kHz | 0.208 | 1.00 |
| PSS5030-330MT | 33 | ±20% | 100kHz | 0.257 | 0.85 |
| PSS5030-470MT | 47 | ±20% | 100kHz | 0.450 | 0.70 |
| PSS5030-680MT | 68 | ±20% | 100kHz | 0.600 | 0.45 |
| PSS5030-101MT | 100 | ±20% | 100kHz | 0.801 | 0.45 |
| PSS5030-151MT | 150 | ±20% | 100kHz | 1.200 | 0.38 |
| PSS5030-221MT | 220 | ±20% | 100kHz | 2.000 | 0.20 |

Isat: 飽和電流，加Isat時，電感值相對初始值下降 < 30%

Isat: Saturation Current, the current when the inductance becomes 30% lower than its initial value.

PSS系列功率電感
PS SERIES SHIELDED SMD POWER INDUCTORS

PSS6025 Series

| 型號 Part Number | 電感量 L (μH) | 公差 Tolerance | 測試頻率 Test Freq. | 直流電阻 DCR(Ω)Max | Isat(A) |
|-------------------|---------------|-----------------|--------------------|-------------------|---------|
| PSS6025-1R0NT | 1.0 | ±30% | 100kHz | 0.011 | 3.48 |
| PSS6025-2R2NT | 2.2 | ±30% | 100kHz | 0.035 | 2.44 |
| PSS6025-8R2NT | 8.2 | ±30% | 100kHz | 0.100 | 1.20 |
| PSS6025-100MT | 10 | ±30% | 100kHz | 0.118 | 1.07 |
| PSS6025-150MT | 15 | ±30% | 100kHz | 0.135 | 0.87 |
| PSS6025-180MT | 18 | ±20% | 100kHz | 0.150 | 0.79 |
| PSS6025-220MT | 22 | ±20% | 100kHz | 0.194 | 0.71 |
| PSS6025-280MT | 28 | ±20% | 100kHz | 0.220 | 0.64 |
| PSS6025-470MT | 47 | ±20% | 100kHz | 0.390 | 0.55 |

PSS6030 Series

| 型號 Part Number | 電感量 L (μH) | 公差 Tolerance | 測試頻率 Test Freq. | 直流電阻 DCR(Ω)Max | Isat(A) |
|-------------------|---------------|-----------------|--------------------|-------------------|---------|
| PSS6030-1R0NT | 1.0 | ±30% | 100kHz | 0.020 | 3.60 |
| PSS6030-1R5NT | 1.5 | ±30% | 100kHz | 0.022 | 3.50 |
| PSS6030-2R2NT | 2.2 | ±30% | 100kHz | 0.030 | 2.90 |
| PSS6030-3R3NT | 3.3 | ±30% | 100kHz | 0.039 | 2.90 |
| PSS6030-4R7NT | 4.7 | ±30% | 100kHz | 0.046 | 2.35 |
| PSS6030-6R8NT | 6.8 | ±30% | 100kHz | 0.057 | 2.00 |
| PSS6030-100MT | 10 | ±20% | 100kHz | 0.068 | 1.85 |
| PSS6030-120MT | 12 | ±20% | 100kHz | 0.100 | 1.50 |
| PSS6030-150MT | 15 | ±20% | 100kHz | 0.120 | 1.20 |
| PSS6030-180MT | 18 | ±20% | 100kHz | 0.136 | 1.10 |
| PSS6030-220MT | 22 | ±20% | 100kHz | 0.148 | 1.00 |
| PSS6030-270MT | 27 | ±20% | 100kHz | 0.180 | 0.90 |
| PSS6030-330MT | 33 | ±20% | 100kHz | 0.220 | 0.80 |
| PSS6030-470MT | 47 | ±20% | 100kHz | 0.255 | 0.70 |
| PSS6030-680MT | 68 | ±20% | 100kHz | 0.430 | 0.55 |
| PSS6030-820MT | 82 | ±20% | 100kHz | 0.450 | 0.45 |
| PSS6030-101MT | 100 | ±20% | 100kHz | 0.498 | 0.36 |

Isat: 飽和電流，加Isat時，電感值相對初始值下降 ≤ 30%

Isat: Saturation Current, the current when the inductance becomes 30% lower than its initial value.