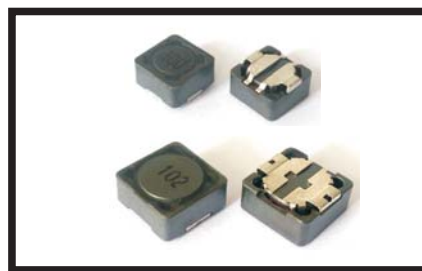


MS系列功率電感

MS SERIES SMD POWER INDUCTORS

• 特征 FEATURES

- | | |
|-------------|---------------------------------------|
| 大電流; | High saturation current |
| 屏蔽結構; | Magnetic shielded |
| 適合于表面貼裝回流焊。 | SMT type, suitable for solder reflow. |



• 應用APPLICATION:

- | | |
|-------------|---|
| 移動通信,筆記本電腦; | Portable communication equipment, Notebook Computer |
| LCD電視,錄像機; | LCD televisions, Power supply for VTRs |
| DC/DC轉換。 | DC/DC converters etc. |

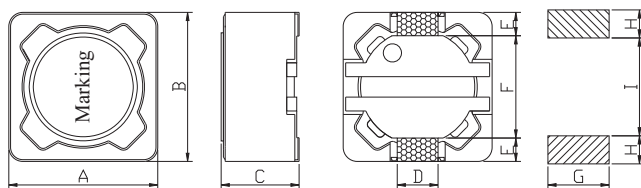
• 產品規格型號的表示方法 ORDERING CODE

$\frac{MS}{①}$ $\frac{127}{②}$ — $\frac{101}{③}$ $\frac{M}{④}$ $\frac{T}{⑤}$

| ① 產品代號 Product Code | | ② 規格尺寸(L×W×T) Dimensions (L×W×T) (mm) | | ③ 電感量(μH) Inductance | | ④ 誤差 Tolerance | | ⑤ 包裝方式 Packaging Style | |
|------------------------|--------------|---|---------------|-------------------------|------|-------------------|------|---------------------------|-------------------|
| MS | MS系列 功率電感 | 73 | 7.3×7.3×3.4 | 1R5 | 1.5 | J | ±5% | T | 卷帶盤裝 Tape&Reel |
| | | 74 | 7.3×7.3×4.2 | 150 | 15 | K | ±10% | | |
| | | 124 | 12.2×12.2×4.5 | 151 | 150 | L | ±15% | | |
| | | 127 | 12.2×12.2×7.5 | 152 | 1500 | M | ±20% | | |
| | | | | | | N | ±30% | | |

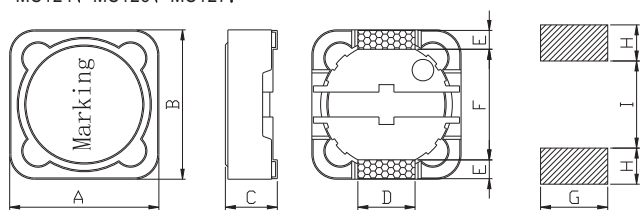
• 外形尺寸 SHAPE AND DIMENSIONS

MS73、MS74:



RECOMMENDED
LAND PATTERNS

MS124、MS125、MS127:



RECOMMENDED
LAND PATTERNS

Unit: mm

| 型號Part | A | B | C | D(typ.) | E(typ.) | F(typ.) | G(typ.) | H(typ.) | F(typ.) |
|--------|----------|----------|---------|---------|---------|---------|---------|---------|---------|
| MS73 | 7.3±0.3 | 7.3±0.3 | 3.4±0.3 | 2.0 | 1.1 | 5.0 | 2.2 | 1.6 | 4.8 |
| MS74 | 7.3±0.3 | 7.3±0.3 | 4.2±0.3 | 2.0 | 1.1 | 5.0 | 2.2 | 1.6 | 4.8 |
| MS124 | 12.2±0.4 | 12.2±0.4 | 4.5±0.3 | 5.0 | 2.2 | 7.6 | 5.4 | 2.8 | 7.0 |
| MS125 | 12.2±0.4 | 12.2±0.4 | 5.7±0.3 | 5.0 | 2.2 | 7.6 | 5.4 | 2.8 | 7.0 |
| MS127 | 12.2±0.4 | 12.2±0.4 | 7.5±0.3 | 5.0 | 2.2 | 7.6 | 5.4 | 2.8 | 7.0 |

貼片功率電感 SMD POWER INDUCTORS

• 電性能參數 ELECTRICAL CHARACTERISTICS

MS73 Series

| 型號 Part No. | 電感量 L(μH) | 公差 Tolerance | 測試頻率 Test Freq. | 直流電阻 DCR(Ω)Max | 飽和電流 Isat(A) |
|----------------|--------------|-----------------|--------------------|-------------------|-----------------|
| MS73-1R0NT | 1.0 | ± 30% | 1kHz | 0.025 | 3.60 |
| MS73-1R5NT | 1.5 | ± 30% | 1kHz | 0.028 | 3.00 |
| MS73-1R8NT | 1.8 | ± 30% | 1kHz | 0.030 | 2.75 |
| MS73-2R2NT | 2.2 | ± 30% | 1kHz | 0.035 | 2.50 |
| MS73-3R3NT | 3.3 | ± 30% | 1kHz | 0.038 | 2.00 |
| MS73-4R7NT | 4.7 | ± 30% | 1kHz | 0.040 | 1.82 |
| MS73-5R2NT | 5.2 | ± 30% | 1kHz | 0.057 | 1.82 |
| MS73-6R8NT | 6.8 | ± 30% | 1kHz | 0.058 | 1.70 |
| MS73-100MT | 10 | ± 20% | 1kHz | 0.072 | 1.68 |
| MS73-150MT | 15 | ± 20% | 1kHz | 0.130 | 1.33 |
| MS73-220MT | 22 | ± 20% | 1kHz | 0.190 | 1.07 |
| MS73-330MT | 33 | ± 20% | 1kHz | 0.240 | 0.91 |
| MS73-390MT | 39 | ± 20% | 1kHz | 0.320 | 0.77 |
| MS73-470MT | 47 | ± 20% | 1kHz | 0.360 | 0.76 |
| MS73-560MT | 56 | ± 20% | 1kHz | 0.470 | 0.68 |
| MS73-680MT | 68 | ± 20% | 1kHz | 0.520 | 0.61 |
| MS73-820MT | 82 | ± 20% | 1kHz | 0.690 | 0.57 |
| MS73-101MT | 100 | ± 20% | 1kHz | 0.790 | 0.50 |
| MS73-151MT | 150 | ± 20% | 1kHz | 1.270 | 0.43 |
| MS73-221MT | 220 | ± 20% | 1kHz | 1.650 | 0.35 |
| MS73-331MT | 330 | ± 20% | 1kHz | 2.620 | 0.28 |
| MS73-391MT | 390 | ± 20% | 1kHz | 2.940 | 0.26 |
| MS73-471MT | 470 | ± 20% | 1kHz | 4.180 | 0.24 |
| MS73-561MT | 560 | ± 20% | 1kHz | 4.670 | 0.22 |
| MS73-681MT | 680 | ± 20% | 1kHz | 5.730 | 0.19 |
| MS73-821MT | 820 | ± 20% | 1kHz | 6.540 | 0.18 |
| MS73-102MT | 1000 | ± 20% | 1kHz | 9.440 | 0.16 |
| MS73-152MT | 1500 | ± 20% | 1kHz | 9.500 | 0.16 |
| MS73-222MT | 2200 | ± 20% | 1kHz | 10.800 | 0.12 |
| MS73-332MT | 3300 | ± 20% | 1kHz | 21.500 | 0.10 |

MS74 Series

| 型號 Part No. | 電感量 L(μH) | 公差 Tolerance | 測試頻率 Test Freq. | 直流電阻 DCR(Ω)Max | 飽和電流 Isat(A) |
|----------------|--------------|-----------------|--------------------|-------------------|-----------------|
| MS74-1R0NT | 1.0 | ± 30% | 1kHz | 0.022 | 6.00 |
| MS74-1R5NT | 1.5 | ± 30% | 1kHz | 0.028 | 3.20 |
| MS74-2R2NT | 2.2 | ± 30% | 1kHz | 0.030 | 3.00 |
| MS74-3R3NT | 3.3 | ± 30% | 1kHz | 0.035 | 2.80 |
| MS74-4R7NT | 4.7 | ± 30% | 1kHz | 0.040 | 2.50 |
| MS74-6R8NT | 6.8 | ± 30% | 1kHz | 0.050 | 2.10 |
| MS74-8R2NT | 8.2 | ± 30% | 1kHz | 0.060 | 2.00 |
| MS74-100MT | 10 | ± 20% | 1kHz | 0.055 | 1.84 |
| MS74-150MT | 15 | ± 20% | 1kHz | 0.081 | 1.47 |
| MS74-220MT | 22 | ± 20% | 1kHz | 0.110 | 1.23 |
| MS74-330MT | 33 | ± 20% | 1kHz | 0.170 | 0.96 |
| MS74-390MT | 39 | ± 20% | 1kHz | 0.230 | 0.91 |
| MS74-470MT | 47 | ± 20% | 1kHz | 0.260 | 0.88 |
| MS74-560MT | 56 | ± 20% | 1kHz | 0.350 | 0.75 |
| MS74-680MT | 68 | ± 20% | 1kHz | 0.380 | 0.69 |
| MS74-750MT | 75 | ± 20% | 1kHz | 0.400 | 0.65 |
| MS74-820MT | 82 | ± 20% | 1kHz | 0.430 | 0.61 |
| MS74-101MT | 100 | ± 20% | 1kHz | 0.610 | 0.60 |
| MS74-151MT | 150 | ± 20% | 1kHz | 0.880 | 0.46 |
| MS74-221MT | 220 | ± 20% | 1kHz | 1.170 | 0.36 |
| MS74-331MT | 330 | ± 20% | 1kHz | 1.860 | 0.32 |
| MS74-391MT | 390 | ± 20% | 1kHz | 2.850 | 0.29 |
| MS74-471MT | 470 | ± 20% | 1kHz | 3.010 | 0.26 |

Isat: 飽和電流, 加Isat時, 電感值相對初始值下降 ≤ 20%

Isat: Saturation Current, the current when the inductance becomes 20% lower than its initial value.

MS74 Series

| 型號 Part No. | 電感量 L(μH) | 公差 Tolerance | 測試頻率 Test Freq. | 直流電阻 DCR(Ω)Max | 飽和電流 Isat(A) |
|----------------|--------------|-----------------|--------------------|-------------------|-----------------|
| MS74-561MT | 560 | ±20% | 1kHz | 3.620 | 0.23 |
| MS74-681MT | 680 | ±20% | 1kHz | 4.630 | 0.22 |
| MS74-821MT | 820 | ±20% | 1kHz | 5.200 | 0.20 |
| MS74-102MT | 1000 | ±20% | 1kHz | 6.000 | 0.18 |

MS124 Series

| 型號 Part No. | 電感量 L(μH) | 公差 Tolerance | 測試頻率 Test Freq. | 直流電阻 DCR(Ω)Max | 飽和電流 Isat(A) |
|----------------|--------------|-----------------|--------------------|-------------------|-----------------|
| MS124-1R0NT | 1.0 | ±30% | 100kHz | 0.008 | 12.00 |
| MS124-1R6NT | 1.6 | ±30% | 100kHz | 0.009 | 8.00 |
| MS124-3R9NT | 3.9 | ±30% | 100kHz | 0.018 | 6.50 |
| MS124-4R7NT | 4.7 | ±30% | 100kHz | 0.022 | 5.70 |
| MS124-6R8NT | 6.8 | ±30% | 100kHz | 0.028 | 4.90 |
| MS124-100MT | 10 | ±20% | 100kHz | 0.035 | 4.50 |
| MS124-150MT | 15 | ±20% | 100kHz | 0.050 | 3.20 |
| MS124-220MT | 22 | ±20% | 100kHz | 0.066 | 2.90 |
| MS124-330MT | 33 | ±20% | 100kHz | 0.097 | 2.70 |
| MS124-390MT | 39 | ±20% | 100kHz | 0.132 | 2.10 |
| MS124-470MT | 47 | ±20% | 100kHz | 0.150 | 1.90 |
| MS124-560MT | 56 | ±20% | 100kHz | 0.190 | 1.80 |
| MS124-680MT | 68 | ±20% | 100kHz | 0.220 | 1.50 |
| MS124-820MT | 82 | ±20% | 100kHz | 0.260 | 1.30 |
| MS124-101MT | 100 | ±20% | 100kHz | 0.308 | 1.20 |
| MS124-151MT | 150 | ±20% | 100kHz | 0.530 | 0.95 |
| MS124-221MT | 220 | ±20% | 100kHz | 0.700 | 0.80 |
| MS124-331MT | 330 | ±20% | 100kHz | 0.990 | 0.50 |
| MS124-471MT | 470 | ±20% | 100kHz | 1.300 | 0.40 |
| MS124-152MT | 1500 | ±20% | 100kHz | 4.000 | 0.29 |

MS125 Series

| 型號 Part No. | 電感量 L(μH) | 公差 Tolerance | 測試頻率 Test Freq. | 直流電阻 DCR(Ω)Max | 飽和電流 Isat(A) |
|----------------|--------------|-----------------|--------------------|-------------------|-----------------|
| MS125-1R3NT | 1.3 | ±30% | 7.96MHZ | 0.012 | 8.00 |
| MS125-2R1NT | 2.1 | ±30% | 7.96MHZ | 0.014 | 7.00 |
| MS125-2R2NT | 2.2 | ±30% | 7.96MHZ | 0.014 | 7.00 |
| MS125-3R1NT | 3.1 | ±30% | 7.96MHZ | 0.017 | 6.00 |
| MS125-3R9NT | 3.9 | ±30% | 7.96MHZ | 0.018 | 5.50 |
| MS125-4R7NT | 4.7 | ±30% | 7.96MHZ | 0.020 | 5.00 |
| MS125-5R8NT | 5.8 | ±30% | 7.96MHZ | 0.021 | 4.40 |
| MS125-6R8NT | 6.8 | ±30% | 7.96MHZ | 0.022 | 3.00 |
| MS125-7R5NT | 7.5 | ±30% | 7.96MHZ | 0.024 | 4.20 |
| MS125-8R2NT | 8.2 | ±30% | 7.96MHZ | 0.025 | 4.00 |
| MS125-100MT | 10 | ±20% | 1kHz | 0.025 | 4.00 |
| MS125-150MT | 15 | ±20% | 1kHz | 0.030 | 3.30 |
| MS125-220MT | 22 | ±20% | 1kHz | 0.042 | 2.80 |
| MS125-330MT | 33 | ±20% | 1kHz | 0.065 | 2.10 |
| MS125-390MT | 39 | ±20% | 1kHz | 0.068 | 2.00 |
| MS125-470MT | 47 | ±20% | 1kHz | 0.075 | 1.80 |
| MS125-560MT | 56 | ±20% | 1kHz | 0.110 | 1.70 |
| MS125-680MT | 68 | ±20% | 1kHz | 0.120 | 1.50 |
| MS125-820MT | 82 | ±20% | 1kHz | 0.140 | 1.40 |
| MS125-101MT | 100 | ±20% | 1kHz | 0.198 | 1.30 |
| MS125-151MT | 150 | ±20% | 1kHz | 0.230 | 1.00 |
| MS125-221MT | 220 | ±20% | 1kHz | 0.400 | 0.80 |
| MS125-331MT | 330 | ±20% | 1kHz | 0.510 | 0.68 |
| MS125-391MT | 390 | ±20% | 1kHz | 0.690 | 0.65 |
| MS125-471MT | 470 | ±20% | 1kHz | 0.770 | 0.58 |
| MS125-561MT | 560 | ±20% | 1kHz | 0.860 | 0.54 |

Isat: 飽和電流，加Isat時，電感值相對初始值下降 ≤20%

Isat: Saturation Current, the current when the inductance becomes 20% lower than its initial value.

貼片功率電感 SMD POWER INDUCTORS

MS125 Series

| 型號 Part No. | 電感量 L(μH) | 公差 Tolerance | 測試頻率 Test Freq. | 直流電阻 DCR(Ω)Max | 飽和電流 Isat(A) |
|----------------|--------------|-----------------|--------------------|-------------------|-----------------|
| MS125-681MT | 680 | ± 20% | 1kHz | 1.200 | 0.48 |
| MS125-821MT | 820 | ± 20% | 1kHz | 1.340 | 0.43 |
| MS125-102MT | 1000 | ± 20% | 1kHz | 1.900 | 0.40 |
| MS125-472MT | 4700 | ± 20% | 1kHz | 8.280 | 0.30 |
| MS125-802MT | 8200 | ± 20% | 1kHz | 15.000 | 0.22 |
| MS125-103MT | 10000 | ± 20% | 1kHz | 20.000 | 0.12 |

MS127 Series

| 型號 Part No. | 電感量 L(μH) | 公差 Tolerance | 測試頻率 Test Freq. | 直流電阻 DCR(Ω)Max | 飽和電流 Isat(A) |
|----------------|--------------|-----------------|--------------------|-------------------|-----------------|
| MS127-1R0NT | 1.0 | ± 30% | 100kHz | 0.0070 | 9.80 |
| MS127-1R5NT | 1.5 | ± 30% | 100kHz | 0.0100 | 9.00 |
| MS127-2R2NT | 2.2 | ± 30% | 100kHz | 0.0115 | 7.50 |
| MS127-3R3NT | 3.3 | ± 30% | 100kHz | 0.0135 | 7.50 |
| MS127-4R7NT | 4.7 | ± 30% | 100kHz | 0.0158 | 6.80 |
| MS127-5R6NT | 5.6 | ± 30% | 100kHz | 0.0176 | 6.70 |
| MS127-6R8NT | 6.8 | ± 30% | 100kHz | 0.0200 | 6.60 |
| MS127-8R2NT | 8.2 | ± 30% | 100kHz | 0.0200 | 5.90 |
| MS127-100MT | 10 | ± 20% | 1kHz | 0.0216 | 5.40 |
| MS127-150MT | 15 | ± 20% | 1kHz | 0.0270 | 4.50 |
| MS127-220MT | 22 | ± 20% | 1kHz | 0.0432 | 3.60 |
| MS127-330MT | 33 | ± 20% | 1kHz | 0.0648 | 3.20 |
| MS127-390MT | 39 | ± 20% | 1kHz | 0.0729 | 2.75 |
| MS127-470MT | 47 | ± 20% | 1kHz | 0.1000 | 2.50 |
| MS127-560MT | 56 | ± 20% | 1kHz | 0.1100 | 2.35 |
| MS127-680MT | 68 | ± 20% | 1kHz | 0.1400 | 2.10 |
| MS127-820MT | 82 | ± 20% | 1kHz | 0.1600 | 1.95 |
| MS127-101MT | 100 | ± 20% | 1kHz | 0.2200 | 1.70 |
| MS127-151MT | 150 | ± 20% | 1kHz | 0.2800 | 1.42 |
| MS127-221MT | 220 | ± 20% | 1kHz | 0.3900 | 1.16 |
| MS127-331MT | 330 | ± 20% | 1kHz | 0.6400 | 0.95 |
| MS127-391MT | 390 | ± 20% | 1kHz | 0.7000 | 0.88 |
| MS127-471MT | 470 | ± 20% | 1kHz | 0.9800 | 0.79 |
| MS127-561MT | 560 | ± 20% | 1kHz | 1.0700 | 0.73 |
| MS127-681MT | 680 | ± 20% | 1kHz | 1.4600 | 0.67 |
| MS127-821MT | 820 | ± 20% | 1kHz | 1.6400 | 0.60 |
| MS127-102MT | 1000 | ± 20% | 1kHz | 1.8200 | 0.55 |
| MS127-222MT | 2200 | ± 20% | 1kHz | 2.9500 | 0.30 |

Isat: 飽和電流，加Isat時，電感值相對初始值下降 ≤ 20%

Isat: Saturation Current, the current when the inductance becomes 20% lower than its initial value.

MS-R系列功率電感

MS-R SERIES SMD POWER INDUCTORS



• 特征 FEATURES

- | | |
|-------------|---------------------------------------|
| 大電流; | High saturation current |
| 屏蔽結構; | Magnetic shielded |
| 適合于表面貼裝回流焊。 | SMT type, suitable for solder reflow. |

• 應用APPLICATION:

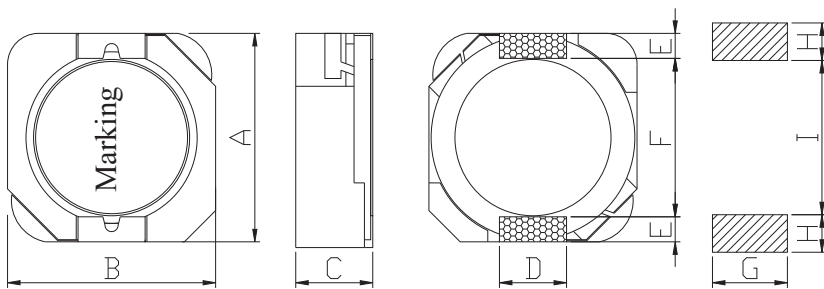
- | | |
|-------------|---|
| 移動通信,筆記本電腦; | Portable communication equipment, Notebook Computer |
| LCD電視,錄像機; | LCD televisions, Power supply for VTRs |
| DC/DC轉換。 | DC/DC converters etc. |

• 產品規格型號的表示方法 ORDERING CODE

$\frac{MS}{①} \quad \frac{104R}{②} \quad \text{—} \quad \frac{101}{③} \quad \frac{M}{④} \quad \frac{T}{⑤}$

| ① 產品代號 Product Code | | ② 規格尺寸(L×W×T) Dimensions (L×W×T) (mm) | | ③ 電感量(μH) Inductance | | ④ 誤差 Tolerance | | ⑤ 包裝方式 Packaging Style | |
|------------------------|----------------|---|---------------|-------------------------|------|-------------------|------|---------------------------|-------------------|
| MS-R | MS-R系列 功率電感 | 103R | 10.2×10.0×3.1 | 1R5 | 1.5 | J | ±5% | T | 卷帶盤裝 Tape&Reel |
| | | 104R | 10.2×10.0×4.0 | 150 | 15 | K | ±10% | | |
| | | 105R | 10.2×10.0×5.1 | 151 | 150 | L | ±15% | | |
| | | | | 152 | 1500 | M | ±20% | | |
| | | | | | | N | ±30% | | |

• 外形尺寸 SHAPE AND DIMENSIONS



RECOMMENDED
LAND PATTERNS

Unit: mm

| 型號Part | A | B | C | D(typ.) | E(typ.) | F(typ.) | G(typ.) | H(typ.) | F(typ.) |
|--------|----------|----------|--------|---------|---------|---------|---------|---------|---------|
| MS103R | 10.2±0.3 | 10.0±0.3 | 3.1MAX | 3.0 | 1.2 | 7.8 | 3.2 | 1.6 | 7.3 |
| MS104R | 10.2±0.3 | 10.0±0.3 | 4.0MAX | 3.0 | 1.2 | 7.8 | 3.2 | 1.6 | 7.3 |
| MS105R | 10.2±0.3 | 10.0±0.3 | 5.1MAX | 3.0 | 1.2 | 7.8 | 3.2 | 1.6 | 7.3 |

貼片功率電感 SMD POWER INDUCTORS

• 電性能參數 ELECTRICAL CHARACTERISTICS

MS103R Series

| 型號 Part No. | 電感量 L (μH) | 公差 Tolerance | 測試頻率 Test Freq. | 直流電阻 DCR(Ω)Max | 飽和電流 Isat(A) |
|----------------|---------------|-----------------|--------------------|-------------------|-----------------|
| MS103R-1R5NT | 1.5 | ± 30% | 100kHz | 0.018 | 7.00 |
| MS103R-2R2NT | 2.2 | ± 30% | 100kHz | 0.023 | 6.50 |
| MS103R-3R3NT | 3.3 | ± 30% | 100kHz | 0.028 | 6.00 |
| MS103R-4R7NT | 4.7 | ± 30% | 100kHz | 0.047 | 5.50 |
| MS103R-5R6NT | 5.6 | ± 30% | 100kHz | 0.055 | 4.80 |
| MS103R-6R8NT | 6.8 | ± 30% | 100kHz | 0.058 | 3.84 |
| MS103R-8R2NT | 8.2 | ± 30% | 100kHz | 0.072 | 4.50 |
| MS103R-100MT | 10 | ± 20% | 100kHz | 0.097 | 3.18 |
| MS103R-150MT | 15 | ± 20% | 100kHz | 0.122 | 2.80 |
| MS103R-220MT | 22 | ± 20% | 100kHz | 0.143 | 2.40 |
| MS103R-330MT | 33 | ± 20% | 100kHz | 0.230 | 2.20 |
| MS103R-470MT | 47 | ± 20% | 100kHz | 0.341 | 1.90 |
| MS103R-560MT | 56 | ± 20% | 100kHz | 0.371 | 1.70 |
| MS103R-680MT | 68 | ± 20% | 100kHz | 0.511 | 1.50 |
| MS103R-820MT | 82 | ± 20% | 100kHz | 0.541 | 1.30 |
| MS103R-101MT | 100 | ± 20% | 100kHz | 0.803 | 1.10 |
| MS103R-151MT | 150 | ± 20% | 100kHz | 1.260 | 0.92 |
| MS103R-221MT | 220 | ± 20% | 100kHz | 1.760 | 0.75 |

MS104R Series

| 型號 Part No. | 電感量 L (μH) | 公差 Tolerance | 測試頻率 Test Freq. | 直流電阻 DCR(Ω)Max | 飽和電流 Isat(A) |
|----------------|---------------|-----------------|--------------------|-------------------|-----------------|
| MS104R-1R0NT | 1.0 | ± 30% | 100kHz | 0.014 | 10.00 |
| MS104R-1R5NT | 1.5 | ± 30% | 100kHz | 0.017 | 10.00 |
| MS104R-2R2NT | 2.2 | ± 30% | 100kHz | 0.021 | 7.50 |
| MS104R-3R3NT | 3.3 | ± 30% | 100kHz | 0.025 | 6.00 |
| MS104R-4R7NT | 4.7 | ± 30% | 100kHz | 0.028 | 5.50 |
| MS104R-5R6NT | 5.6 | ± 30% | 100kHz | 0.031 | 5.20 |
| MS104R-6R8NT | 6.8 | ± 30% | 100kHz | 0.038 | 4.80 |
| MS104R-8R2NT | 8.2 | ± 30% | 100kHz | 0.042 | 4.60 |
| MS104R-100MT | 10 | ± 20% | 100kHz | 0.043 | 4.40 |
| MS104R-120MT | 12 | ± 20% | 100kHz | 0.060 | 4.00 |
| MS104R-150MT | 15 | ± 20% | 100kHz | 0.068 | 3.60 |
| MS104R-180MT | 18 | ± 20% | 100kHz | 0.070 | 3.30 |
| MS104R-220MT | 22 | ± 20% | 100kHz | 0.090 | 2.90 |
| MS104R-240MT | 24 | ± 20% | 100kHz | 0.110 | 2.80 |
| MS104R-270MT | 27 | ± 20% | 100kHz | 0.117 | 2.60 |
| MS104R-330MT | 33 | ± 20% | 100kHz | 0.120 | 2.40 |
| MS104R-390MT | 39 | ± 20% | 100kHz | 0.150 | 2.20 |
| MS104R-470MT | 47 | ± 20% | 100kHz | 0.190 | 2.10 |
| MS104R-500MT | 50 | ± 20% | 100kHz | 0.200 | 2.00 |
| MS104R-560MT | 56 | ± 20% | 100kHz | 0.297 | 1.80 |
| MS104R-680MT | 68 | ± 20% | 100kHz | 0.350 | 1.50 |
| MS104R-750MT | 75 | ± 20% | 100kHz | 0.365 | 1.47 |
| MS104R-820MT | 82 | ± 20% | 100kHz | 0.385 | 1.45 |
| MS104R-101MT | 100 | ± 20% | 100kHz | 0.430 | 1.35 |
| MS104R-121MT | 120 | ± 20% | 100kHz | 0.470 | 1.25 |
| MS104R-151MT | 150 | ± 20% | 100kHz | 0.506 | 1.15 |
| MS104R-181MT | 180 | ± 20% | 100kHz | 0.627 | 1.00 |
| MS104R-221MT | 220 | ± 20% | 100kHz | 0.756 | 0.92 |
| MS104R-271MT | 270 | ± 20% | 100kHz | 0.950 | 0.75 |
| MS104R-331MT | 330 | ± 20% | 100kHz | 1.090 | 0.70 |
| MS104R-471MT | 470 | ± 20% | 100kHz | 1.900 | 0.60 |
| MS104R-681MT | 680 | ± 20% | 100kHz | 2.200 | 0.55 |
| MS104R-751MT | 750 | ± 20% | 100kHz | 3.120 | 0.47 |
| MS104R-821MT | 820 | ± 20% | 100kHz | 4.600 | 0.40 |
| MS104R-102MT | 1000 | ± 20% | 100kHz | 5.110 | 0.32 |

Isat: 飽和電流，加Isat時，電感值相對初始值下降 < 35%

Isat: Saturation Current, the current when the inductance becomes 35% lower than its initial value.

MS105R Series

| 型號 Part No. | 電感量 L (μH) | 公差 Tolerance | 測試頻率 Test Freq. | 直流電阻 DCR(Ω)Max | 飽和電流 Isat(A) |
|----------------|---------------|-----------------|--------------------|-------------------|-----------------|
| MS105R-1R5NT | 1.5 | ± 30% | 100kHz | 0.011 | 10.50 |
| MS105R-2R2NT | 2.2 | ± 30% | 100kHz | 0.013 | 9.25 |
| MS105R-3R3NT | 3.3 | ± 30% | 100kHz | 0.017 | 7.80 |
| MS105R-4R7NT | 4.7 | ± 30% | 100kHz | 0.019 | 6.40 |
| MS105R-5R6NT | 5.6 | ± 30% | 100kHz | 0.022 | 5.90 |
| MS105R-6R8NT | 6.8 | ± 30% | 100kHz | 0.025 | 5.40 |
| MS105R-8R2NT | 8.2 | ± 30% | 100kHz | 0.029 | 4.85 |
| MS105R-100MT | 10 | ± 20% | 100kHz | 0.035 | 4.50 |
| MS105R-150MT | 15 | ± 20% | 100kHz | 0.041 | 3.60 |
| MS105R-220MT | 22 | ± 20% | 100kHz | 0.061 | 2.95 |
| MS105R-330MT | 33 | ± 20% | 100kHz | 0.084 | 2.40 |
| MS105R-470MT | 47 | ± 20% | 100kHz | 0.130 | 2.00 |
| MS105R-560MT | 56 | ± 20% | 100kHz | 0.149 | 1.90 |
| MS105R-680MT | 68 | ± 20% | 100kHz | 0.201 | 1.65 |
| MS105R-820MT | 82 | ± 20% | 100kHz | 0.227 | 1.50 |
| MS105R-101MT | 100 | ± 20% | 100kHz | 0.253 | 1.35 |
| MS105R-121MT | 120 | ± 20% | 100kHz | 0.303 | 1.28 |
| MS105R-151MT | 150 | ± 20% | 100kHz | 0.370 | 1.12 |
| MS105R-181MT | 180 | ± 20% | 100kHz | 0.419 | 1.04 |
| MS105R-221MT | 220 | ± 20% | 100kHz | 0.500 | 0.94 |
| MS105R-331MT | 330 | ± 20% | 100kHz | 0.700 | 0.80 |
| MS105R-391MT | 390 | ± 20% | 100kHz | 0.800 | 0.75 |
| MS105R-471MT | 470 | ± 20% | 100kHz | 1.290 | 0.60 |
| MS105R-561MT | 560 | ± 20% | 100kHz | 1.430 | 0.54 |
| MS105R-681MT | 680 | ± 20% | 100kHz | 1.600 | 0.52 |
| MS105R-821MT | 820 | ± 20% | 100kHz | 1.770 | 0.50 |
| MS105R-102MT | 1000 | ± 20% | 100kHz | 1.990 | 0.48 |
| MS105R-152MT | 1500 | ± 20% | 100kHz | 3.050 | 0.40 |
| MS105R-222MT | 2200 | ± 20% | 100kHz | 5.110 | 0.30 |
| MS105R-332MT | 3300 | ± 20% | 100kHz | 6.000 | 0.25 |
| MS105R-472MT | 4700 | ± 20% | 100kHz | 7.000 | 0.20 |

Isat: 飽和電流，加Isat時，電感值相對初始值下降 ≤ 35%

Isat: Saturation Current, the current when the inductance becomes 35% lower than its initial value.

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