

PIO 系列功率电感    PIO Series SMD Power Inductors



特征 FEATURES

- 多种不同尺寸结构适合高密度表面贴装
- Various high power surface mountable type inductors are superior to high saturation

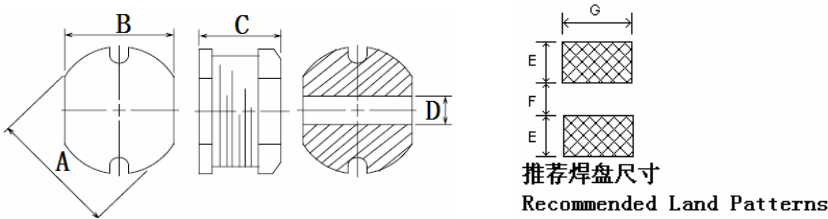
应用 APPLICATIONS

- 移动通信,笔记本电脑  
·LCD 电视  
·DC/DC 转换
- Portable communication equipment, Notebook Computer  
· LCD television  
· DC/DC converters

产品规格型号表示方法 ORDERING CODE

|              |                                 |                      |                 |                         |                |
|--------------|---------------------------------|----------------------|-----------------|-------------------------|----------------|
| PIO          | 54                              | —                    | 150             | M                       | T              |
| ①            | ②                               | ③                    | ④               | ⑤                       |                |
| ①            | ②                               | ③                    | ④               | ⑤                       |                |
| 产品代号<br>Code | 规格尺寸 Dimensions<br>(L×W×T) (mm) | 感量(μH)<br>Inductance | 误差<br>Tolerance | 包装方式<br>Packaging Style |                |
| PIO          | 31                              | 3.5×3.0×1.6          | 1R0    1.0      | K    ±10%               | T    Tape&Reel |
|              | 32                              | 3.5×3.0×2.1          | 100    10       | L    ±15%               | B    Bulk      |
|              | 42                              | 4.5×4.0×2.15         | 101    100      | M    ±20%               |                |
|              | 43                              | 4.5×4.0×3.2          |                 |                         |                |
|              | 52                              | 5.8×5.2×2.1          |                 |                         |                |
|              | 53                              | 5.8×5.2×3.0          |                 |                         |                |
|              | 54                              | 5.8×5.2×4.5          |                 |                         |                |
|              | 73                              | 7.8×7.0×3.5          |                 |                         |                |
|              | 75                              | 7.8×7.0×5.0          |                 |                         |                |
|              | 104                             | 10.0×9.0×4.0         |                 |                         |                |
|              | 105                             | 10.0×9.0×5.4         |                 |                         |                |

外形尺寸 Dimensions



单位(Unit): mm

|      |         |         |          |         |          |         |         |         |         |          |          |
|------|---------|---------|----------|---------|----------|---------|---------|---------|---------|----------|----------|
| Part | PIO31   | PIO32   | PIO42    | PIO43   | PIO52    | PIO53   | PIO54   | PIO73   | PIO75   | PIO104   | PIO105   |
| A    | 3.5±0.3 | 3.5±0.3 | 4.5±0.3  | 4.5±0.3 | 5.8±0.3  | 5.8±0.3 | 5.8±0.3 | 7.8±0.3 | 7.8±0.3 | 10.0±0.3 | 10.0±0.3 |
| B    | 3.0±0.3 | 3.0±0.3 | 4.0±0.3  | 4.0±0.3 | 5.2±0.3  | 5.2±0.3 | 5.2±0.3 | 7.0±0.3 | 7.0±0.3 | 9.0±0.3  | 9.0±0.3  |
| C    | 1.6±0.3 | 2.1±0.3 | 2.15±0.3 | 3.2±0.3 | 2.1±0.35 | 3.0±0.3 | 4.5±0.3 | 3.5±0.4 | 5.0±0.4 | 4.0±0.4  | 5.4±0.3  |
| D    | 1.0±0.1 | 1.0±0.1 | 1.5±0.1  | 1.5±0.1 | 2.0±0.1  | 1.7±0.1 | 1.7±0.1 | 2.2±0.1 | 2.2±0.1 | 2.8±0.1  | 2.8±0.1  |
| E    | 1.3±0.3 | 1.3±0.3 | 2.1±0.3  | 2.1±0.3 | 2.5±0.3  | 2.5±0.3 | 2.5±0.3 | 3.3±0.3 | 3.3±0.3 | 4.4±0.3  | 4.4±0.3  |
| F    | 0.9±0.1 | 0.9±0.1 | 1.0±0.1  | 1.0±0.1 | 1.2±0.1  | 1.2±0.1 | 1.2±0.1 | 1.4±0.2 | 1.4±0.2 | 1.8±0.2  | 1.8±0.2  |
| G    | 3.0±0.3 | 3.0±0.3 | 4.0±0.3  | 4.0±0.3 | 5.8±0.3  | 5.8±0.3 | 5.8±0.3 | 8.0±0.3 | 8.0±0.3 | 10.0±0.3 | 10.0±0.3 |

## 电性能参数 Electrical Characteristics

### PIO31 Series

| Part Number | Inductance (μH) | Tolerance | Test Freq. | DCR (Ω)Max | Isat(A) |
|-------------|-----------------|-----------|------------|------------|---------|
| PIO31-2R2MT | 2.2             | ±20%      | 100kHz     | 0.085      | 1.30    |
| PIO31-3R3MT | 3.3             | ±20%      | 100kHz     | 0.115      | 1.20    |
| PIO31-4R7MT | 4.7             | ±20%      | 100kHz     | 0.170      | 1.00    |
| PIO31-100MT | 10              | ±20%      | 100kHz     | 0.350      | 0.78    |
| PIO31-330MT | 33              | ±20%      | 100kHz     | 1.250      | 0.40    |

### PIO32 Series

| Part Number | Inductance (μH) | Tolerance | Test Freq. | DCR (Ω)Max | Isat(A) |
|-------------|-----------------|-----------|------------|------------|---------|
| PIO32-1R0MT | 1.0             | ±20%      | 100kHz     | 0.050      | 1.85    |
| PIO32-1R5MT | 1.5             | ±20%      | 100kHz     | 0.060      | 1.85    |
| PIO32-1R8MT | 1.8             | ±20%      | 100kHz     | 0.070      | 1.70    |
| PIO32-2R2MT | 2.2             | ±20%      | 100kHz     | 0.080      | 1.60    |
| PIO32-2R7MT | 2.7             | ±20%      | 100kHz     | 0.090      | 1.60    |
| PIO32-3R3MT | 3.3             | ±20%      | 100kHz     | 0.100      | 1.40    |
| PIO32-3R9MT | 3.9             | ±20%      | 100kHz     | 0.115      | 1.30    |
| PIO32-4R7MT | 4.7             | ±20%      | 100kHz     | 0.165      | 1.25    |
| PIO32-5R6MT | 5.6             | ±20%      | 100kHz     | 0.185      | 1.20    |
| PIO32-6R8MT | 6.8             | ±20%      | 100kHz     | 0.210      | 1.10    |
| PIO32-8R2MT | 8.2             | ±20%      | 100kHz     | 0.240      | 1.05    |
| PIO32-100MT | 10              | ±20%      | 100kHz     | 0.350      | 0.760   |
| PIO32-120MT | 12              | ±20%      | 100kHz     | 0.460      | 0.685   |
| PIO32-150MT | 15              | ±20%      | 100kHz     | 0.500      | 0.635   |
| PIO32-180MT | 18              | ±20%      | 100kHz     | 0.600      | 0.525   |
| PIO32-220MT | 22              | ±20%      | 100kHz     | 0.650      | 0.500   |
| PIO32-270MT | 27              | ±20%      | 100kHz     | 0.750      | 0.405   |
| PIO32-330MT | 33              | ±20%      | 100kHz     | 0.850      | 0.380   |
| PIO32-390MT | 39              | ±20%      | 100kHz     | 1.000      | 0.355   |
| PIO32-470MT | 47              | ±20%      | 100kHz     | 1.600      | 0.330   |
| PIO32-560MT | 56              | ±20%      | 100kHz     | 1.650      | 0.290   |
| PIO32-680MT | 68              | ±20%      | 100kHz     | 1.850      | 0.275   |
| PIO32-820MT | 82              | ±20%      | 100kHz     | 2.100      | 0.250   |
| PIO32-101KT | 100             | ±10%      | 1kHz       | 2.200      | 0.220   |
| PIO32-121KT | 120             | ±10%      | 1kHz       | 2.900      | 0.185   |
| PIO32-151KT | 150             | ±10%      | 1kHz       | 5.000      | 0.170   |
| PIO32-181KT | 180             | ±10%      | 1kHz       | 5.200      | 0.165   |
| PIO32-221KT | 220             | ±10%      | 1kHz       | 5.600      | 0.155   |
| PIO32-271KT | 270             | ±10%      | 1kHz       | 7.000      | 0.130   |
| PIO32-331KT | 330             | ±10%      | 1kHz       | 7.000      | 0.125   |
| PIO32-391KT | 390             | ±10%      | 1kHz       | 7.800      | 0.115   |
| PIO32-471KT | 470             | ±10%      | 1kHz       | 12.000     | 0.096   |
| PIO32-102KT | 1000            | ±10%      | 1kHz       | 28.000     | 0.100   |

## PIO42 Series

| Part Number | Inductance (μH) | Tolerance | Test Freq. | DCR (Ω)Max | Isat(A) |
|-------------|-----------------|-----------|------------|------------|---------|
| PIO42-1R0MT | 1.0             | ±20%      | 100kHz     | 0.050      | 3.00    |
| PIO42-2R2MT | 2.2             | ±20%      | 100kHz     | 0.070      | 2.50    |
| PIO42-100MT | 10              | ±20%      | 100kHz     | 0.210      | 1.00    |
| PIO42-220MT | 22              | ±20%      | 100kHz     | 0.500      | 0.60    |

## PIO43 Series

| Part Number | Inductance (μH) | Tolerance | Test Freq. | DCR (Ω)Max | Isat(A) |
|-------------|-----------------|-----------|------------|------------|---------|
| PIO43-1R0MT | 1.0             | ±20%      | 100kHz     | 0.045      | 3.50    |
| PIO43-1R5MT | 1.5             | ±20%      | 100kHz     | 0.055      | 2.85    |
| PIO43-1R8MT | 1.8             | ±20%      | 100kHz     | 0.060      | 2.80    |
| PIO43-2R2MT | 2.2             | ±20%      | 100kHz     | 0.070      | 2.40    |
| PIO43-2R7MT | 2.7             | ±20%      | 100kHz     | 0.075      | 2.30    |
| PIO43-3R3MT | 3.3             | ±20%      | 100kHz     | 0.085      | 2.25    |
| PIO43-3R9MT | 3.9             | ±20%      | 100kHz     | 0.090      | 1.70    |
| PIO43-4R7MT | 4.7             | ±20%      | 100kHz     | 0.105      | 1.65    |
| PIO43-5R6MT | 5.6             | ±20%      | 100kHz     | 0.120      | 1.60    |
| PIO43-6R8MT | 6.8             | ±20%      | 100kHz     | 0.130      | 1.40    |
| PIO43-8R2MT | 8.2             | ±20%      | 100kHz     | 0.145      | 1.30    |
| PIO43-100MT | 10              | ±20%      | 100kHz     | 0.180      | 1.10    |
| PIO43-120MT | 12              | ±20%      | 100kHz     | 0.210      | 1.00    |
| PIO43-150MT | 15              | ±20%      | 100kHz     | 0.235      | 0.85    |
| PIO43-180MT | 18              | ±20%      | 100kHz     | 0.330      | 0.80    |
| PIO43-220MT | 22              | ±20%      | 100kHz     | 0.360      | 0.70    |
| PIO43-270MT | 27              | ±20%      | 100kHz     | 0.520      | 0.65    |
| PIO43-330MT | 33              | ±20%      | 100kHz     | 0.540      | 0.60    |
| PIO43-390MT | 39              | ±20%      | 100kHz     | 0.580      | 0.55    |
| PIO43-470MT | 47              | ±20%      | 100kHz     | 0.840      | 0.48    |
| PIO43-560MT | 56              | ±20%      | 100kHz     | 0.930      | 0.46    |
| PIO43-680MT | 68              | ±20%      | 100kHz     | 1.110      | 0.44    |
| PIO43-820MT | 82              | ±20%      | 100kHz     | 1.250      | 0.42    |
| PIO43-101KT | 100             | ±10%      | 1kHz       | 1.400      | 0.40    |
| PIO43-121KT | 120             | ±10%      | 1kHz       | 1.500      | 0.38    |
| PIO43-151KT | 150             | ±10%      | 1kHz       | 2.000      | 0.35    |
| PIO43-221KT | 220             | ±10%      | 1kHz       | 2.460      | 0.27    |
| PIO43-331KT | 330             | ±10%      | 1kHz       | 4.500      | 0.20    |
| PIO43-471KT | 470             | ±10%      | 1kHz       | 5.500      | 0.16    |
| PIO43-561KT | 560             | ±10%      | 1kHz       | 6.000      | 0.14    |
| PIO43-681KT | 680             | ±10%      | 1kHz       | 6.800      | 0.13    |
| PIO43-821KT | 820             | ±10%      | 1kHz       | 8.000      | 0.12    |
| PIO43-152KT | 1500            | ±10%      | 1kHz       | 19.000     | 0.10    |

## PIO52 Series

| Part Number | Inductance (μH) | Tolerance | Test Freq. | DCR (Ω)Max | Isat(A) |
|-------------|-----------------|-----------|------------|------------|---------|
| PIO52-1R1MT | 1.1             | ±20%      | 100kHz     | 0.030      | 2.50    |
| PIO52-1R5MT | 1.5             | ±20%      | 100kHz     | 0.040      | 2.10    |
| PIO52-2R2MT | 2.2             | ±20%      | 100kHz     | 0.070      | 2.00    |
| PIO52-3R3MT | 3.3             | ±20%      | 100kHz     | 0.080      | 1.60    |
| PIO52-4R7MT | 4.7             | ±20%      | 100kHz     | 0.093      | 1.30    |
| PIO52-5R6MT | 5.6             | ±20%      | 100kHz     | 0.105      | 1.50    |
| PIO52-100MT | 10              | ±20%      | 100kHz     | 0.170      | 0.90    |
| PIO52-220MT | 22              | ±20%      | 100kHz     | 0.400      | 0.60    |
| PIO52-330MT | 33              | ±20%      | 100kHz     | 0.540      | 0.50    |
| PIO52-470MT | 47              | ±20%      | 100kHz     | 0.690      | 0.40    |

| Part Number | Inductance (μH) | Tolerance | Test Freq. | DCR (Ω)Max | Isat(A) |
|-------------|-----------------|-----------|------------|------------|---------|
| PIO52-680MT | 68              | ±20%      | 100kHz     | 1.180      | 0.37    |
| PIO52-101KT | 100             | ±10%      | 1kHz       | 1.800      | 0.27    |
| PIO52-151KT | 150             | ±10%      | 1kHz       | 2.350      | 0.25    |
| PIO52-221KT | 220             | ±10%      | 1kHz       | 3.200      | 0.20    |

## PIO53 Series

| Part Number | Inductance (μH) | Tolerance | Test Freq. | DCR (Ω)Max | Isat(A) |
|-------------|-----------------|-----------|------------|------------|---------|
| PIO53-1R0MT | 1.0             | ±20%      | 100kHz     | 0.028      | 4.50    |
| PIO53-1R5MT | 1.5             | ±20%      | 100kHz     | 0.034      | 4.20    |
| PIO53-2R2MT | 2.2             | ±20%      | 100kHz     | 0.050      | 4.00    |
| PIO53-4R7MT | 4.7             | ±20%      | 100kHz     | 0.070      | 2.80    |
| PIO53-8R2MT | 8.2             | ±20%      | 100kHz     | 0.120      | 2.30    |
| PIO53-100MT | 10              | ±20%      | 100kHz     | 0.130      | 2.00    |
| PIO53-220MT | 22              | ±20%      | 100kHz     | 0.280      | 1.20    |
| PIO53-270MT | 27              | ±20%      | 100kHz     | 0.300      | 1.10    |
| PIO53-330MT | 33              | ±20%      | 100kHz     | 0.410      | 1.00    |
| PIO53-470MT | 47              | ±20%      | 100kHz     | 0.550      | 0.80    |
| PIO53-680MT | 68              | ±20%      | 100kHz     | 0.630      | 0.70    |
| PIO53-101KT | 100             | ±10%      | 1kHz       | 0.750      | 0.70    |
| PIO53-151KT | 150             | ±10%      | 1kHz       | 1.600      | 0.60    |
| PIO53-181KT | 180             | ±10%      | 1kHz       | 1.650      | 0.50    |
| PIO53-221KT | 220             | ±10%      | 1kHz       | 1.860      | 0.40    |
| PIO53-331KT | 330             | ±10%      | 1kHz       | 3.100      | 0.25    |

## PIO54 Series

| Part Number | Inductance (μH) | Tolerance | Test Freq. | DCR (Ω)Max | Isat(A) |
|-------------|-----------------|-----------|------------|------------|---------|
| PIO54-R47MT | 0.47            | ±20%      | 100kHz     | 0.012      | 4.80    |
| PIO54-1R0MT | 1.0             | ±20%      | 100kHz     | 0.025      | 3.50    |
| PIO54-2R7MT | 2.7             | ±20%      | 100kHz     | 0.030      | 3.00    |
| PIO54-3R3MT | 3.3             | ±20%      | 100kHz     | 0.035      | 2.50    |
| PIO54-4R7MT | 4.7             | ±20%      | 100kHz     | 0.038      | 2.50    |
| PIO54-6R8MT | 6.8             | ±20%      | 100kHz     | 0.070      | 2.00    |
| PIO54-100MT | 10              | ±20%      | 100kHz     | 0.100      | 1.65    |
| PIO54-120MT | 12              | ±20%      | 100kHz     | 0.120      | 1.55    |
| PIO54-150MT | 15              | ±20%      | 100kHz     | 0.140      | 1.40    |
| PIO54-180MT | 18              | ±20%      | 100kHz     | 0.150      | 1.25    |
| PIO54-220MT | 22              | ±20%      | 100kHz     | 0.180      | 1.10    |
| PIO54-270MT | 27              | ±20%      | 100kHz     | 0.200      | 0.95    |
| PIO54-330MT | 33              | ±20%      | 100kHz     | 0.220      | 0.90    |
| PIO54-390MT | 39              | ±20%      | 100kHz     | 0.300      | 0.80    |
| PIO54-470MT | 47              | ±20%      | 100kHz     | 0.350      | 0.75    |
| PIO54-560MT | 56              | ±20%      | 100kHz     | 0.400      | 0.70    |
| PIO54-680MT | 68              | ±20%      | 100kHz     | 0.450      | 0.65    |
| PIO54-820MT | 82              | ±20%      | 100kHz     | 0.600      | 0.60    |
| PIO54-101KT | 100             | ±10%      | 1kHz       | 0.700      | 0.55    |
| PIO54-121KT | 120             | ±10%      | 1kHz       | 0.850      | 0.45    |
| PIO54-151KT | 150             | ±10%      | 1kHz       | 1.100      | 0.43    |
| PIO54-181KT | 180             | ±10%      | 1kHz       | 1.350      | 0.40    |
| PIO54-221KT | 220             | ±10%      | 1kHz       | 1.550      | 0.35    |
| PIO54-271KT | 270             | ±10%      | 1kHz       | 1.750      | 0.33    |
| PIO54-331KT | 330             | ±10%      | 1kHz       | 1.980      | 0.30    |
| PIO54-471KT | 470             | ±10%      | 1kHz       | 2.500      | 0.25    |
| PIO54-561KT | 560             | ±10%      | 1kHz       | 2.870      | 0.20    |
| PIO54-681KT | 680             | ±10%      | 1kHz       | 3.500      | 0.18    |
| PIO54-102KT | 1000            | ±10%      | 1kHz       | 5.500      | 0.15    |

### PIO73 Series

| Part Number | Inductance (μH) | Tolerance | Test Freq. | DCR (Ω)Max | Isat(A) |
|-------------|-----------------|-----------|------------|------------|---------|
| PIO73-R68MT | 0.68            | ±20%      | 100kHz     | 0.010      | 6.50    |
| PIO73-2R2MT | 2.2             | ±20%      | 100kHz     | 0.022      | 3.20    |
| PIO73-3R3MT | 3.3             | ±20%      | 100kHz     | 0.035      | 3.60    |
| PIO73-4R7MT | 4.7             | ±20%      | 100kHz     | 0.048      | 3.00    |
| PIO73-6R8MT | 6.8             | ±20%      | 100kHz     | 0.050      | 2.20    |
| PIO73-100MT | 10              | ±20%      | 100kHz     | 0.080      | 2.10    |
| PIO73-120MT | 12              | ±20%      | 100kHz     | 0.090      | 1.80    |
| PIO73-150MT | 15              | ±20%      | 100kHz     | 0.095      | 1.70    |
| PIO73-180MT | 18              | ±20%      | 100kHz     | 0.110      | 1.40    |
| PIO73-220MT | 22              | ±20%      | 100kHz     | 0.156      | 1.35    |
| PIO73-270MT | 27              | ±20%      | 100kHz     | 0.145      | 1.25    |
| PIO73-330MT | 33              | ±20%      | 100kHz     | 0.170      | 1.05    |
| PIO73-390MT | 39              | ±20%      | 100kHz     | 0.215      | 0.95    |
| PIO73-470MT | 47              | ±20%      | 100kHz     | 0.305      | 0.90    |
| PIO73-560MT | 56              | ±20%      | 100kHz     | 0.280      | 0.80    |
| PIO73-680MT | 68              | ±20%      | 100kHz     | 0.380      | 0.75    |
| PIO73-820MT | 82              | ±20%      | 100kHz     | 0.405      | 0.70    |
| PIO73-101KT | 100             | ±10%      | 1kHz       | 0.480      | 0.65    |
| PIO73-121KT | 120             | ±10%      | 1kHz       | 0.535      | 0.60    |
| PIO73-151KT | 150             | ±10%      | 1kHz       | 0.750      | 0.55    |
| PIO73-181KT | 180             | ±10%      | 1kHz       | 1.020      | 0.50    |
| PIO73-221KT | 220             | ±10%      | 1kHz       | 1.200      | 0.45    |
| PIO73-271KT | 270             | ±10%      | 1kHz       | 1.300      | 0.37    |
| PIO73-331KT | 330             | ±10%      | 1kHz       | 1.490      | 0.35    |
| PIO73-471KT | 470             | ±10%      | 1kHz       | 2.200      | 0.30    |
| PIO73-561KT | 560             | ±10%      | 1kHz       | 2.400      | 0.25    |

### PIO75 Series

| Part Number | Inductance (μH) | Tolerance | Test Freq. | DCR (Ω)Max | Isat(A) |
|-------------|-----------------|-----------|------------|------------|---------|
| PIO75-1R0MT | 1.0             | ±20%      | 100kHz     | 0.015      | 5.80    |
| PIO75-3R3MT | 3.3             | ±20%      | 100kHz     | 0.025      | 4.80    |
| PIO75-4R7MT | 4.7             | ±20%      | 100kHz     | 0.045      | 4.00    |
| PIO75-8R2MT | 8.2             | ±20%      | 100kHz     | 0.042      | 2.70    |
| PIO75-100MT | 10              | ±20%      | 100kHz     | 0.070      | 2.55    |
| PIO75-120MT | 12              | ±20%      | 100kHz     | 0.080      | 2.40    |
| PIO75-150MT | 15              | ±20%      | 100kHz     | 0.090      | 2.00    |
| PIO75-180MT | 18              | ±20%      | 100kHz     | 0.100      | 1.95    |
| PIO75-220MT | 22              | ±20%      | 100kHz     | 0.110      | 1.70    |
| PIO75-270MT | 27              | ±20%      | 100kHz     | 0.120      | 1.55    |
| PIO75-330MT | 33              | ±20%      | 100kHz     | 0.130      | 1.40    |
| PIO75-390MT | 39              | ±20%      | 100kHz     | 0.150      | 1.35    |
| PIO75-470MT | 47              | ±20%      | 100kHz     | 0.190      | 1.25    |
| PIO75-560MT | 56              | ±20%      | 100kHz     | 0.230      | 1.10    |
| PIO75-680MT | 68              | ±20%      | 100kHz     | 0.250      | 1.00    |
| PIO75-820MT | 82              | ±20%      | 100kHz     | 0.350      | 0.95    |
| PIO75-101KT | 100             | ±10%      | 1kHz       | 0.400      | 0.78    |
| PIO75-121KT | 120             | ±10%      | 1kHz       | 0.450      | 0.73    |
| PIO75-151KT | 150             | ±10%      | 1kHz       | 0.600      | 0.70    |
| PIO75-181KT | 180             | ±10%      | 1kHz       | 0.700      | 0.60    |
| PIO75-221KT | 220             | ±10%      | 1kHz       | 0.950      | 0.55    |
| PIO75-271KT | 270             | ±10%      | 1kHz       | 1.100      | 0.50    |
| PIO75-331KT | 330             | ±10%      | 1kHz       | 1.250      | 0.45    |
| PIO75-391KT | 390             | ±10%      | 1kHz       | 1.750      | 0.40    |
| PIO75-471KT | 470             | ±10%      | 1kHz       | 1.950      | 0.35    |
| PIO75-102KT | 1000            | ±10%      | 1kHz       | 3.850      | 0.20    |

### PIO104 Series

| Part Number  | Inductance (μH) | Tolerance | Test Freq. | DCR (Ω)Max | Isat(A) |
|--------------|-----------------|-----------|------------|------------|---------|
| PIO104-4R7MT | 4.7             | ±20%      | 100kHz     | 0.0275     | 4.50    |
| PIO104-100MT | 10              | ±20%      | 100kHz     | 0.050      | 2.90    |
| PIO104-120MT | 12              | ±20%      | 100kHz     | 0.060      | 2.80    |
| PIO104-150MT | 15              | ±20%      | 100kHz     | 0.070      | 2.30    |
| PIO104-180MT | 18              | ±20%      | 100kHz     | 0.080      | 2.15    |
| PIO104-220MT | 22              | ±20%      | 100kHz     | 0.090      | 2.10    |
| PIO104-270MT | 27              | ±20%      | 100kHz     | 0.100      | 1.90    |
| PIO104-330MT | 33              | ±20%      | 100kHz     | 0.120      | 1.85    |
| PIO104-390MT | 39              | ±20%      | 100kHz     | 0.150      | 1.45    |
| PIO104-470MT | 47              | ±20%      | 100kHz     | 0.170      | 1.35    |
| PIO104-560MT | 56              | ±20%      | 100kHz     | 0.200      | 1.30    |
| PIO104-680MT | 68              | ±20%      | 100kHz     | 0.270      | 1.20    |
| PIO104-820MT | 82              | ±20%      | 100kHz     | 0.250      | 1.00    |
| PIO104-101KT | 100             | ±10%      | 1kHz       | 0.300      | 0.95    |
| PIO104-121KT | 120             | ±10%      | 1kHz       | 0.400      | 0.90    |
| PIO104-151KT | 150             | ±10%      | 1kHz       | 0.500      | 0.80    |
| PIO104-181KT | 180             | ±10%      | 1kHz       | 0.620      | 0.70    |
| PIO104-221KT | 220             | ±10%      | 1kHz       | 0.720      | 0.65    |
| PIO104-271KT | 270             | ±10%      | 1kHz       | 0.950      | 0.57    |
| PIO104-331KT | 330             | ±10%      | 1kHz       | 1.100      | 0.55    |
| PIO104-391KT | 390             | ±10%      | 1kHz       | 1.200      | 0.50    |
| PIO104-471KT | 470             | ±10%      | 1kHz       | 1.520      | 0.45    |
| PIO104-561KT | 560             | ±10%      | 1kHz       | 1.900      | 0.40    |

### PIO105 Series

| Part Number  | Inductance (μH) | Tolerance | Test Freq. | DCR (Ω)Max | Isat(A) |
|--------------|-----------------|-----------|------------|------------|---------|
| PIO105-1R0MT | 1.0             | ±20%      | 100kHz     | 0.010      | 8.00    |
| PIO105-100MT | 10              | ±20%      | 100kHz     | 0.060      | 3.80    |
| PIO105-120MT | 12              | ±20%      | 100kHz     | 0.070      | 3.40    |
| PIO105-150MT | 15              | ±20%      | 100kHz     | 0.080      | 2.90    |
| PIO105-180MT | 18              | ±20%      | 100kHz     | 0.090      | 2.65    |
| PIO105-220MT | 22              | ±20%      | 100kHz     | 0.100      | 2.50    |
| PIO105-270MT | 27              | ±20%      | 100kHz     | 0.110      | 2.25    |
| PIO105-330MT | 33              | ±20%      | 100kHz     | 0.120      | 2.00    |
| PIO105-390MT | 39              | ±20%      | 100kHz     | 0.130      | 1.90    |
| PIO105-470MT | 47              | ±20%      | 100kHz     | 0.150      | 1.70    |
| PIO105-560MT | 56              | ±20%      | 100kHz     | 0.190      | 1.60    |
| PIO105-680MT | 68              | ±20%      | 100kHz     | 0.220      | 1.45    |
| PIO105-820MT | 82              | ±20%      | 100kHz     | 0.250      | 1.30    |
| PIO105-101KT | 100             | ±10%      | 1kHz       | 0.330      | 1.15    |
| PIO105-121KT | 120             | ±10%      | 1kHz       | 0.400      | 1.00    |
| PIO105-151KT | 150             | ±10%      | 1kHz       | 0.450      | 0.95    |
| PIO105-181KT | 180             | ±10%      | 1kHz       | 0.600      | 0.85    |
| PIO105-221KT | 220             | ±10%      | 1kHz       | 0.700      | 0.75    |
| PIO105-271KT | 270             | ±10%      | 1kHz       | 0.950      | 0.70    |
| PIO105-331KT | 330             | ±10%      | 1kHz       | 1.100      | 0.60    |
| PIO105-391KT | 390             | ±10%      | 1kHz       | 1.200      | 0.55    |
| PIO105-471KT | 470             | ±10%      | 1kHz       | 1.450      | 0.50    |
| PIO105-561KT | 560             | ±10%      | 1kHz       | 1.900      | 0.48    |
| PIO105-681KT | 680             | ±10%      | 1kHz       | 2.250      | 0.45    |
| PIO105-821KT | 820             | ±10%      | 1kHz       | 2.500      | 0.40    |

Isat: 饱和电流, 加 Isat 时, 电感量下降≤10%

Isat: Saturation Current, the current when the inductance becomes 10% lower than its initial value.