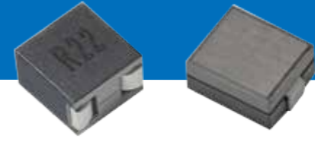


## 组装式贴片功率电感—WPZ 系列

### Assembled SMD Power Inductors—WPZ Series



**工作温度**  
Operating Temp

◆ -40°C ~+125°C (Including self-heating)

**特征**  
Features

- ◆ 采用高饱和特性磁材，高通流，低损耗
- ◆ 闭合磁路设计，漏磁干扰小
- ◆ 高 DCR 精度
- ◆ 无卤，符合 RoHS 标准
- ◆ High saturation characteristic core for large saturation current and low loss
- ◆ Closed magnetic circuit design reduces leakage flux
- ◆ High precision DCR
- ◆ Halogen free, RoHS compliant

**用途**  
Applications

- ◆ 服务器、台式电脑、笔记本电脑
- ◆ 显卡、内存
- ◆ 工控设备、通讯设备
- ◆ Server, desktop computer, notebook
- ◆ Graphics, memory
- ◆ Industrial equipment, telecom base station

**产品型号**  
Product Identification

| 1                                                    | 2                            | 3                                                       | 4 | 5 | 6                           | 7 | 8 |
|------------------------------------------------------|------------------------------|---------------------------------------------------------|---|---|-----------------------------|---|---|
| WPZ                                                  | 1008                         | 7                                                       | S | 1 | R12                         | K | T |
|                                                      |                              |                                                         |   |   |                             |   |   |
| 1 分类 Type                                            |                              | 3 外形高度尺寸 (H) [mm]<br>External Height Dimensions(H) [mm] |   |   | 5 绕组数量 Number of Windings   |   |   |
| WPZ                                                  | 贴片功率电感<br>SMD Power Inductor |                                                         |   |   | 1 单绕组 1 Winding             |   |   |
|                                                      |                              |                                                         |   |   | 2 双绕组 2 Windings            |   |   |
| 2 外形长宽尺寸 (L×W) [mm]<br>External Dimensions(L×W) [mm] |                              |                                                         |   |   | 6 公称感量 Nominal Inductance   |   |   |
| 0404                                                 | 4.0×4.1                      | 1 H<1.5                                                 |   |   | Example Nominal Value       |   |   |
| 0505                                                 | 5.2×5.2                      | 2 1.5≤H<2.5                                             |   |   | 70N 70nH                    |   |   |
| 0606                                                 | 6.4×6.4                      | 3 2.5≤H<3.5                                             |   |   | R12 120nH                   |   |   |
| 0707                                                 | 7.0×7.3                      | 4 3.5≤H<4.5                                             |   |   |                             |   |   |
| 0905                                                 | 9.0×5.0                      | 5 4.5≤H<5.5                                             |   |   |                             |   |   |
| 0906                                                 | 9.6×6.4                      | 6 5.5≤H<6.5                                             |   |   |                             |   |   |
| 0907                                                 | 9.5×7.5                      | 7 6.5≤H<7.5                                             |   |   |                             |   |   |
| 1006                                                 | 10.0×6.15                    | 8 7.5≤H<8.5                                             |   |   |                             |   |   |
| 1007                                                 | 10.7×7.0                     | 9 8.5≤H<9.5                                             |   |   |                             |   |   |
| 1008                                                 | 10.4×8.0                     | A 9.5≤H<10.5                                            |   |   |                             |   |   |
| 1010                                                 | 10.0×10.0                    | B 10.5≤H<11.5                                           |   |   |                             |   |   |
| 1106                                                 | 10.6×6.3                     | C 11.5≤H<12.5                                           |   |   |                             |   |   |
| 1107                                                 | 11.0×7.4                     | D 12.5≤H<13.5                                           |   |   |                             |   |   |
| 1111                                                 | 11.2×11.2                    | E 13.5≤H<14.5                                           |   |   |                             |   |   |
| 1205                                                 | 12.0×5.0                     | F 14.5≤H<15.5                                           |   |   |                             |   |   |
| 1206                                                 | 12.0×6.0                     | G 15.5≤H<16.5                                           |   |   |                             |   |   |
| 1308                                                 | 13.5×8.5                     |                                                         |   |   | 7 感量精度 Inductance Tolerance |   |   |
| 1313                                                 | 13.7×12.8                    | 4 磁芯材料 Magnetic Core Material                           |   |   | K ±10%                      |   |   |
| 1612                                                 | 15.3×11.3                    | B 高饱 High Saturation                                    |   |   | L ±15%                      |   |   |
| 1811                                                 | 18.0×11.3                    | S 低损耗 Low Loss                                          |   |   | M ±20%                      |   |   |
|                                                      |                              | F 高频 High Frequency                                     |   |   |                             |   |   |
|                                                      |                              | N 镍锌 NiZn                                               |   |   |                             |   |   |
|                                                      |                              | M 合金 Alloy                                              |   |   | 8 包装 Packing                |   |   |
|                                                      |                              |                                                         |   |   | T 编带 Tape & Reel            |   |   |

# 外观尺寸 Shape and Dimensions — 2 Pins

Fig.1

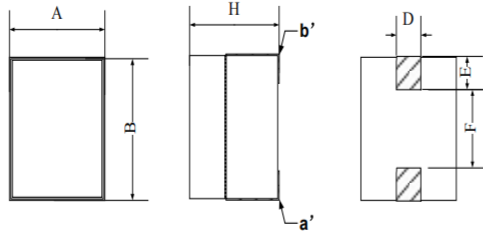


Fig.2

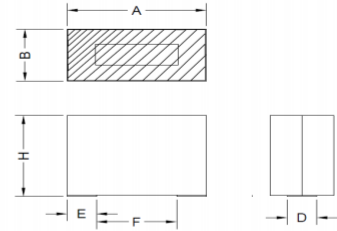


Fig.3

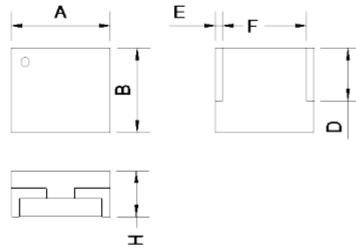


Fig.4

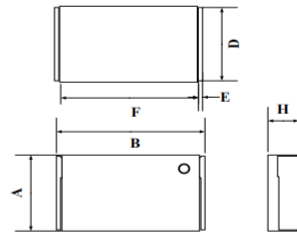


Fig.5

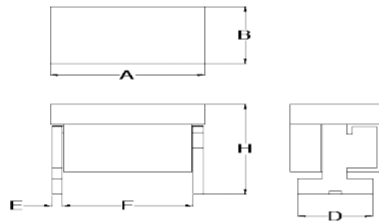


Fig.6

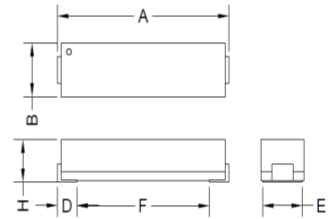
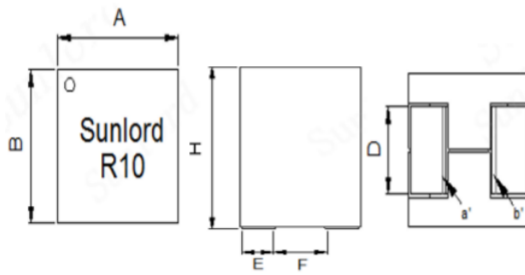


Fig.7



Recommended Land Pattern (Typ.)

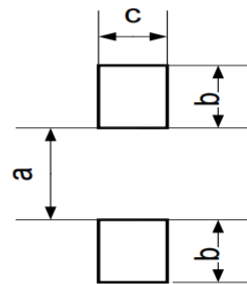
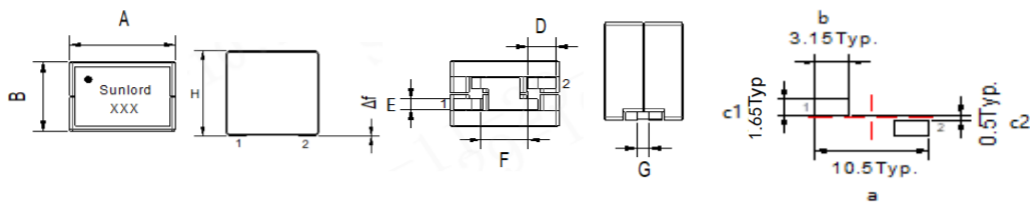


Fig.8



## 外观尺寸

Shape and Dimensions  
— 2 Pins

Unit: mm

| Series                    | Shape | A         | B                             | H                  | D        | E        | F         | a Typ. | b Typ. | c Typ.  |
|---------------------------|-------|-----------|-------------------------------|--------------------|----------|----------|-----------|--------|--------|---------|
| WPZ04044S1                | Fig.1 | 3.7±0.3   | 3.8±0.3                       | 4.1±0.2<br>3.7±0.3 | 1.4 typ. | 1.3 typ. | /         | 0.9    | 1.7    | 1.9     |
| WPZ05057B1                | Fig.1 | 4.8±0.4   | 4.8±0.2                       | 6.3±0.3            | 2.0±0.2  | 1.2±0.2  | /         | 1.8    | 1.85   | 2.6     |
| WPZ05057S1                | Fig.1 | 5.2 max.  | 5.2 max.                      | 6.5 max.           | 2.0±0.2  | 0.7±0.2  | 3.7±0.3   | 3.2    | 1.15   | 2.5     |
| WPZ0606AF1                | Fig.7 | 6.3±0.2   | 6.3±0.2                       | 9.8±0.2            | 3.7±0.2  | 1.75±0.2 | 2.65±0.2  | 2.05   | 2.35   | 4.1     |
| WPZ07074N1                | Fig.1 | 6.6±0.2   | 7.0±0.3                       | 4.0±0.2            | 1.0±0.2  | 1.9±0.4  | 3.2±1.0   | 2.6    | 2.5    | 1.4     |
| WPZ07074S1                | Fig.1 | 6.6±0.2   | 7.0±0.3                       | 3.8 max.           | 3.0±0.2  | 1.6±0.3  | 3.8 typ.  | 3.2    | 2.2    | 3.4     |
| WPZ07075S1                | Fig.1 | 7.0 max.  | 7.0 max.                      | 5.0 max.           | 2.5±0.25 | 1.5±0.3  | 3.9 typ.  | 3.3    | 2.1    | 3.0     |
| WPZ0707BB1                | Fig.7 | 6.7±0.3   | 6.6±0.3<br>6.4±0.3            | 10.7±0.3           | 3.7±0.2  | 1.8±0.2  | 2.8±0.3   | 2.3    | 2.3    | 4.2     |
| WPZ09068S1                | Fig.2 | 9.4±0.2   | 6.2±0.2                       | 8.1 max.           | 2.14±0.3 | 2.5±0.2  | 4.4 typ.  | 4.0    | 3.2    | 2.54    |
| WPZ09069B1                | Fig.2 | 9.35±0.25 | 6.3±0.3<br>6.1±0.3            | 8.7±0.3            | 2.6±0.3  | 2.5±0.3  | 3.95±0.3  | 3.5    | 3.2    | 3.1     |
| WPZ09059F1                | Fig.2 | 8.8±0.2   | 4.9±0.3<br>4.7±0.3            | 9.3±0.2            | 2.4±0.2  | 2.5±0.2  | /         | 3.4    | 3.1    | 2.8     |
| WPZ0906AB1/<br>WPZ0906AS1 | Fig.2 | 9.4±0.2   | 6.2±0.4<br>6.2±0.2            | 10.1 max.          | 3.15±0.2 | 2.8±0.2  | 3.8 typ.  | 3.4    | 3.3    | 3.6     |
| WPZ0906AF1                | Fig.2 | 9.4±0.2   | 6.2±0.4<br>6.2±0.2            | 10.1 max.          | 2.6±0.2  | 2.8±0.2  | 3.8 typ.  | 3.4    | 3.3    | 3.6     |
| WPZ09074S1                | Fig.3 | 9.2±0.3   | 7.3±0.2                       | 3.8±0.2            | 4.5±0.2  | 0.65±0.2 | 7.7 typ.  | 7.1    | 1.25   | 4.9     |
| WPZ09075S1                | Fig.1 | 6.8±0.2   | 9.3±0.3                       | 5.5 max.           | 2.3±0.1  | 2.3±0.3  | 4.8±0.3   | 4.2    | 2.9    | 2.7     |
| WPZ09079S1                | Fig.3 | 9.5 max.  | 7.5 max.                      | 9.0 max.           | 4.3 typ. | 1.2 typ. | 6.2 typ.  | 5.8    | 1.8    | 4.7     |
| WPZ1006CB1                | Fig.2 | 10.0 max. | 6.0/6.2 max.                  | 12.0 max.          | 2.45±0.3 | 2.95±0.3 | 3.65±0.5  | 3.05   | 3.55   | 2.85    |
| WPZ1006CS1                | Fig.2 | 10.0 max. | 6.15/6.0 max.                 | 12.0 max.          | 2.45±0.3 | 2.95±0.3 | 3.65±0.5  | 3.05   | 3.55   | 2.85    |
| WPZ10075B1                | Fig.1 | 6.7±0.3   | 9.8±0.4                       | 4.8±0.2            | 2.5±0.1  | 1.9±0.2  | 6.0 typ.  | 5.4    | 2.5    | 3.0     |
| WPZ10075S1                | Fig.1 | 6.8±0.2   | 10±0.25                       | 5.0±0.2            | 2.54±0.1 | 2.03±0.2 | /         | 5.08   | 2.8    | 3.05    |
| WPZ10075M1                | Fig.1 | 6.8±0.2   | 10.5±0.2                      | 5.0 max.           | 2.54±0.2 | 2.3±0.2  | 5.9 typ.  | 5.3    | 2.9    | 2.94    |
| WPZ1007AS1                | Fig.2 | 9.7±0.3   | 6.7±0.3                       | 9.6±0.4            | 2.2±0.25 | 2.5±0.3  | 4.1±0.3   | 3.5    | 3.1    | 2.6     |
| WPZ1007CS1                | Fig.7 | 10.5±0.2  | 7.6±0.3<br>7.5±0.2<br>7.3±0.2 | 11.8±0.2           | 3.1±0.2  | 2.8±0.3  | 4.4±0.3   | 3.7    | 3.4    | 3.5     |
| WPZ10087S1                | Fig.1 | 7.7±0.3   | 10±0.3                        | 6.8±0.2            | 2.3±0.2  | 3.0±0.2  | 4.0 typ.  | 3.4    | 3.6    | 2.7     |
| WPZ10087B1                | Fig.1 | 7.8±0.2   | 10.2±0.2                      | 7.3±0.2            | 2.25±0.2 | 2.54±0.2 | 5.12 typ. | 4.7    | 3.0    | 2.5     |
| WPZ10088S1                | Fig.1 | 8.0 max.  | 10.4 max.                     | 8.2/8.0 max.       | 2.1±0.1  | 2.54±0.2 | 4.86 typ. | 4.26   | 3.14   | 2.5     |
| WPZ1104AS1                | Fig.2 | 11.2±0.3  | 3.5±0.4                       | 11.4 typ.          | 2.8±0.2  | 1.2±0.3  | 8.2±0.3   | 7.6    | 1.8    | 3.2     |
| WPZ11068S1                | Fig.5 | 10.6 max. | 6.3 max.                      | 8.1 max.           | 5.0±0.2  | 0.7±0.1  | 8.7 min.  | 8.4    | 1.3    | 5.6/3.0 |
| WPZ11077S1                | Fig.1 | 7.1±0.3   | 10.7±0.3                      | 7.4±0.3            | 1.9±0.3  | 2.6±0.3  | 5.5 typ.  | 4.9    | 3.2    | 2.3     |
| WPZ11119S1                | Fig.1 | 11.2 max. | 11.2 max.                     | 9.0/9.3/9.5 max.   | 2.1±0.3  | 2.6±0.3  | /         | 5.3    | 3.1    | 2.54    |
| WPZ12088S1                | Fig.1 | 8.0 max.  | 12.0 max.                     | 8.1 max.           | 1.3±0.2  | 2.2±0.2  | 7.1 typ.  | 6.5    | 2.8    | 1.7     |
| WPZ13083S1                | Fig.4 | 8.35±0.2  | 13.35±0.2                     | 2.8±0.2            | 8.15±0.2 | 0.5±0.1  | 12.85±0.2 | 11.75  | 1.1    | 8.7     |
| WPZ13138S1                | Fig.1 | 12.8 max. | 13.7 max.                     | 8.1 max.           | 6.5 typ. | 2.7 typ. | 7.8 typ.  | 7.2    | 3.2    | 6.9     |

| Series     | Shape | A       | B       | H       | D       | E       | F       | G       | a Typ. | b Typ. | c1 Typ. | c2 Typ. |
|------------|-------|---------|---------|---------|---------|---------|---------|---------|--------|--------|---------|---------|
| WPZ1007AB1 | Fig.8 | 9.7±0.3 | 6.7±0.3 | 9.7±0.3 | 2.5±0.3 | 1.1±0.3 | 4.2±0.3 | 1.0±0.3 | 10.5   | 3.15   | 1.65    | 0.5     |

## 规格特性 Specifications

| 型号<br>Part Number | 电感量 Inductance | 测试条件<br>L Test Condition | 直流电阻<br>DC Resistance     | 饱和电流<br>Saturation Current |       | 温升电流<br>Heat Rating<br>Current |
|-------------------|----------------|--------------------------|---------------------------|----------------------------|-------|--------------------------------|
| 单位 Units          | nH             | /                        | mΩ                        | Isat A                     |       | A                              |
| 符号 Symbol         | L              | /                        | DCR                       | 25°C                       | 100°C | Irms                           |
| WPZ04044S122NMT   | 22±20%         | @100kHz, 1V              | 0.3±10%                   | 40                         | 34    | 48                             |
| WPZ04044S150NKT   | 50±10%         |                          |                           | 35                         | 30    |                                |
| WPZ04044S165NKT   | 65±10%         |                          |                           | 30                         | 23    |                                |
| WPZ04044S1R10KT   | 100±10%        |                          |                           | 17                         | 15    |                                |
| WPZ05057B1R10MT   | 100±20%        |                          | 0.503Max. 0.47Typ.        | 35                         | 29    | 40                             |
| WPZ05057S160NMT   | 55±20%         | @100kHz, 1V              | 0.25±20%                  | 70                         | 60    | 50                             |
| WPZ05057S180NMT   | 80±20%         |                          |                           | 50                         | 40    |                                |
| WPZ05057S1R10MT   | 100±20%        |                          |                           | 40                         | 30    |                                |
| WPZ05057S1R11MT   | 110±20%        |                          |                           | 36                         | 27    |                                |
| WPZ05057S1R15MT   | 150±20%        |                          |                           | 25                         | 20    |                                |
| WPZ0606AF150NKT   | 50±10%         | @800kHz, 0.1V            | 0.17±10%                  | 150                        | 120   | 70                             |
| WPZ0606AF170NKT   | 70±10%         |                          |                           | 120                        | 100   |                                |
| WPZ0606AF1R10KT   | 100±10%        |                          |                           | 85                         | 70    |                                |
| WPZ0606AF1R12KT   | 120±10%        |                          |                           | 70                         | 60    |                                |
| WPZ0606AF1R15KT   | 150±10%        |                          |                           | 56                         | 46    |                                |
| WPZ07074N1R10MT   | 100±20%        | @100kHz, 1V              | 0.5 Max.                  | 20                         | /     | 15                             |
| WPZ07074S160NMT   | 60±20%         |                          | 0.19 Max.                 | 51                         | /     | 30                             |
| WPZ07074S1R10MT   | 100±20%        |                          | 0.32±9.4%                 | 34                         | /     | 37                             |
| WPZ07075S160NMT   | 60±20%         |                          |                           | 70                         | 54    |                                |
| WPZ07075S170NMT   | 72±20%         |                          |                           | 58                         | 45    |                                |
| WPZ07075S1R10MT   | 105±20%        |                          |                           | 46                         | 38    |                                |
| WPZ07075S1R15MT   | 150±20%        |                          | 0.145±10%                 | 34                         | 24    | 76                             |
| WPZ07075S1R20MT   | 200±20%        |                          |                           | 25                         | 18    |                                |
| WPZ0707BB155NLT   | 55±15%         |                          |                           | 155                        | 130   |                                |
| WPZ0707BB170NKT   | 70±10%         |                          |                           | 134                        | 114   |                                |
| WPZ0707BB1R10KT   | 100±10%        |                          |                           | 93                         | 79    |                                |
| WPZ0707BB1R12KT   | 120±10%        |                          |                           | 76                         | 65    |                                |
| WPZ0707BB1R15KT   | 150±10%        |                          |                           | 60                         | 51    |                                |
| WPZ0707BB1R22KT   | 220±10%        |                          |                           | 42                         | 35    |                                |
| WPZ0707BB1R33KT   | 330±10%        |                          |                           | 28                         | 22    |                                |
| WPZ09068S1R10KT   | 100±10%        | @100kHz, 0.1V            | 0.29±5%                   | 94                         | 81    | 51                             |
| WPZ09068S1R12KT   | 120±10%        |                          |                           | 79                         | 68    |                                |
| WPZ09068S1R15KT   | 150±10%        |                          |                           | 65                         | 55    |                                |
| WPZ09068S1R18KT   | 180±10%        |                          |                           | 55                         | 45    |                                |
| WPZ09068S1R22KT   | 220±10%        |                          |                           | 44                         | 37.5  |                                |
| WPZ09068S1R28KT   | 280±10%        | @100kHz, 1V              | 0.187 Max.<br>(0.17 Typ.) | 34                         | 29    | 66                             |
| WPZ09068S1R30KT   | 300±10%        |                          |                           | 32.5                       | 27.5  |                                |
| WPZ09069B170NKT   | 70±10%         |                          |                           | 160                        | 136   |                                |
| WPZ09069B1R10KT   | 100±10%        |                          |                           | 112                        | 96    |                                |
| WPZ09069B1R12KT   | 120±10%        |                          |                           | 94                         | 80    |                                |
| WPZ09069B1R15KT   | 150±10%        | @500kHz, 0.1V            | 0.125±10%                 | 75                         | 64    | 63                             |
| WPZ09069B1R17KT   | 170±10%        |                          |                           | 65                         | 55    |                                |
| WPZ09059F190NKT   | 90±10%         |                          |                           | 90                         | 77    |                                |
| WPZ09059F1R10KT   | 100±10%        |                          |                           | 80                         | 70    |                                |
| WPZ09059F1R12KT   | 120±10%        |                          |                           | 72                         | 64    |                                |
| WPZ09059F1R15KT   | 150±10%        |                          |                           | 58                         | 51    |                                |
| WPZ09059F1R18KT   | 180±10%        |                          |                           | 49                         | 42    |                                |
| WPZ09059F1R21KT   | 210±10%        |                          |                           | 38                         | 33    |                                |
| WPZ09059F1R24KT   | 240±10%        |                          |                           | 33                         | 30    |                                |
| WPZ09059F1R27KT   | 270±10%        |                          |                           | 30                         | 26    |                                |
| WPZ09059F1R33KT   | 330±10%        | @800kHz, 0.1V            | 0.12 Max.<br>(0.1 Typ.)   | 23                         | 19    | 84                             |
| WPZ0906AB170NKT   | 70±10%         |                          |                           | 145                        | 126   |                                |
| WPZ0906AB1R10KT   | 100±10%        |                          |                           | 110                        | 90    |                                |
| WPZ0906AB1R12KT   | 120±10%        |                          |                           | 90                         | 75    |                                |
| WPZ0906AB1R15KT   | 150±10%        |                          |                           | 67                         | 58    |                                |
| WPZ0906AB1R18KT   | 180±10%        |                          |                           | 56                         | 49    |                                |
| WPZ0906AB1R22KT   | 220±10%        |                          |                           | 46                         | 40    |                                |
| WPZ0906AB1R28KT   | 280±10%        |                          |                           | 36                         | 31    |                                |

## 规格特性 Specifications

| 型号<br>Part Number | 电感量 Inductance | 测试条件<br>L Test Condition | 直流电阻<br>DC Resistance   | 饱和电流<br>Saturation Current |      | 温升电流<br>Heat Rating<br>Current |
|-------------------|----------------|--------------------------|-------------------------|----------------------------|------|--------------------------------|
| 单位 Units          | nH             | /                        | mΩ                      | Isat A                     |      | A                              |
| 符号 Symbol         | L              | /                        | DCR                     | 25℃                        | 100℃ | Irms                           |
| WPZ0906AS170NKT   | 70±10%         | @100kHz, 0.1V            | 0.12 Max.<br>(0.1 Typ.) | 120                        | 104  | 84                             |
| WPZ0906AS1R10KT   | 100±10%        |                          |                         | 93                         | 74   |                                |
| WPZ0906AS1R12KT   | 120±10%        |                          |                         | 70                         | 60   |                                |
| WPZ0906AS1R15KT   | 150±10%        |                          |                         | 55                         | 48   |                                |
| WPZ0906AS1R18KT   | 180±10%        |                          |                         | 46                         | 40   |                                |
| WPZ0906AS1R22KT   | 220±10%        |                          |                         | 38                         | 33   |                                |
| WPZ0906AS1R28KT   | 280±10%        |                          |                         | 30                         | 26   |                                |
| WPZ0906AF170NKT   | 70±10%         |                          |                         | 120                        | 104  |                                |
| WPZ0906AF1R10KT   | 100±10%        |                          |                         | 93                         | 74   |                                |
| WPZ0906AF1R12KT   | 120±10%        |                          |                         | 70                         | 60   |                                |
| WPZ0906AF1R15KT   | 150±10%        |                          |                         | 55                         | 48   |                                |
| WPZ0906AF1R18KT   | 180±10%        |                          |                         | 46                         | 40   |                                |
| WPZ0906AF1R22KT   | 220±10%        |                          |                         | 38                         | 33   |                                |
| WPZ0906AF1R28KT   | 280±10%        |                          |                         | 30                         | 26   |                                |
| WPZ09074S170NLT   | 70±15%         | @800kHz, 0.1V            | 0.32±10%                | 78                         | /    | 39                             |
| WPZ09074S1R10LT   | 100±15%        |                          |                         | 55                         | /    |                                |
| WPZ09074S1R14LT   | 140±15%        |                          |                         | 39                         | /    |                                |
| WPZ09074S1R15LT   | 150±15%        |                          |                         | 33                         | /    |                                |
| WPZ09074S1R18LT   | 175±15%        |                          |                         | 28                         | /    |                                |
| WPZ09075S170NLT   | 70±15%         | @100kHz, 1V              | 0.14±10%                | 100                        | 85   | 65 Min.                        |
| WPZ09075S1R10LT   | 100±15%        |                          |                         | 70                         | 59   |                                |
| WPZ09075S1R12LT   | 120±15%        |                          |                         | 58                         | 49   |                                |
| WPZ09075S1R15LT   | 150±15%        |                          |                         | 46                         | 39   |                                |
| WPZ09075S1R18LT   | 180±15%        |                          |                         | 38                         | 33   |                                |
| WPZ09075S1R22LT   | 220±15%        |                          |                         | 31                         | 27   |                                |
| WPZ09079S1R10LT   | 100±15%        | @800kHz, 1V              | 0.2 Max.<br>(0.17 Typ.) | 80                         | /    | 50                             |
| WPZ09079S1R12LT   | 120±15%        |                          |                         | 66                         | /    |                                |
| WPZ09079S1R15LT   | 150±15%        |                          |                         | 53                         | /    |                                |
| WPZ09079S1R18LT   | 180±15%        |                          |                         | 44                         | /    |                                |
| WPZ09079S1R22LT   | 220±15%        |                          |                         | 36                         | /    |                                |
| WPZ09079S1R28LT   | 280±15%        |                          |                         | 28                         | /    |                                |
| WPZ09079S1R30LT   | 300±15%        |                          |                         | 26                         | /    |                                |
| WPZ1006CB170NLT   | 70±15%         | @100kHz, 1V              | 0.125±10%               | 175                        | 150  | 70                             |
| WPZ1006CB180NLT   | 80±15%         |                          |                         | 155                        | 130  |                                |
| WPZ1006CB1R10LT   | 100±15%        |                          |                         | 125                        | 105  |                                |
| WPZ1006CB1R12LT   | 120±15%        |                          |                         | 105                        | 88   |                                |
| WPZ1006CB1R14LT   | 135±15%        |                          |                         | 92                         | 77   |                                |
| WPZ1006CB1R15LT   | 150±15%        |                          |                         | 83                         | 70   |                                |
| WPZ1006CB1R22LT   | 220±15%        |                          |                         | 52                         | 42   |                                |
| WPZ1006CB1R25LT   | 250±15%        |                          |                         | 46                         | 36   |                                |
| WPZ1006CB1R33LT   | 330±15%        |                          |                         | 35                         | 28   |                                |
| WPZ1006CS170NLT   | 70±15%         |                          |                         | 152                        | 130  |                                |
| WPZ1006CS180NLT   | 80±15%         |                          |                         | 134                        | 113  |                                |
| WPZ1006CS1R10LT   | 100±15%        |                          |                         | 108                        | 92   |                                |
| WPZ1006CS1R12LT   | 120±15%        |                          |                         | 91                         | 76   |                                |
| WPZ1006CS1R14LT   | 135±15%        |                          |                         | 80                         | 67   |                                |
| WPZ1006CS1R15LT   | 150±15%        |                          |                         | 72                         | 60   |                                |
| WPZ1006CS1R22LT   | 220±15%        |                          |                         | 45                         | 36   |                                |
| WPZ1006CS1R25LT   | 250±15%        |                          |                         | 40                         | 31   |                                |
| WPZ1006CS1R33LT   | 330±15%        |                          |                         | 30                         | 24   |                                |

## 规格特性 Specifications

| 型号<br>Part Number | 电感量 Inductance | 测试条件<br>L Test Condition | 直流电阻<br>DC Resistance | 饱和电流<br>Saturation Current |       | 温升电流<br>Heat Rating<br>Current |
|-------------------|----------------|--------------------------|-----------------------|----------------------------|-------|--------------------------------|
| 单位 Units          | nH             | /                        | mΩ                    | Isat A                     |       | A                              |
| 符号 Symbol         | L              | /                        | DCR                   | 25°C                       | 100°C | Irms                           |
| WPZ10075B1R12KT   | 120 ± 10%      | @100kHz, 1V              | 0.35 ± 10%            | 61                         | /     | 31                             |
| WPZ10075B1R15KT   | 150 ± 10%      |                          |                       | 49                         | /     |                                |
| WPZ10075B1R20KT   | 200 ± 10%      |                          |                       | 37                         | /     |                                |
| WPZ10075B1R22KT   | 220 ± 10%      |                          |                       | 32                         | /     |                                |
| WPZ10075B1R30KT   | 300 ± 10%      |                          |                       | 21                         | /     |                                |
| WPZ10075S170NKT   | 70 ± 10%       |                          | 0.1375 Max.           | 85                         | 78    | 40                             |
| WPZ10075S1R10KT   | 100 ± 10%      |                          |                       | 60                         | 55    |                                |
| WPZ10075S1R12KT   | 120 ± 10%      |                          |                       | 50                         | 45    |                                |
| WPZ10075S1R15KT   | 150 ± 10%      |                          |                       | 40                         | 36    |                                |
| WPZ10075S1R20KT   | 200 ± 10%      |                          |                       | 30                         | 27    |                                |
| WPZ10075S1R30KT   | 300 ± 10%      |                          |                       | 19                         | 17    |                                |
| WPZ10075M170NLT   | 70 ± 15%       |                          | 0.23 ± 10%            | 130                        | /     | 68                             |
| WPZ10075M180NLT   | 80 ± 15%       |                          |                       | 113                        | /     |                                |
| WPZ10075M1R10LT   | 100 ± 15%      |                          |                       | 96                         | /     |                                |
| WPZ10075M1R12LT   | 120 ± 15%      |                          |                       | 80                         | /     |                                |
| WPZ10075M1R15LT   | 150 ± 15%      |                          |                       | 64                         | /     |                                |
| WPZ10075M1R16LT   | 160 ± 15%      |                          |                       | 60                         | /     |                                |
| WPZ1007AS170NLT   | 70 ± 15%       |                          | 0.17 ± 10%            | 165                        | 120   | 75                             |
| WPZ1007AS1R10LT   | 100 ± 15%      |                          |                       | 135                        | 100   |                                |
| WPZ1007AS1R12LT   | 120 ± 15%      |                          |                       | 107                        | 80    |                                |
| WPZ1007AS1R15LT   | 150 ± 15%      |                          |                       | 92                         | 75    |                                |
| WPZ1007AS1R20LT   | 200 ± 15%      |                          |                       | 68                         | 51    |                                |
| WPZ1007AS1R22LT   | 220 ± 15%      |                          |                       | 62                         | 47    |                                |
| WPZ1007AS1R33LT   | 330 ± 15%      |                          | 0.15 ± 10%            | 37                         | 28    |                                |
| WPZ1007CS170NKT   | 70 ± 10%       |                          |                       | 194                        | 181   | 72                             |
| WPZ1007CS1R10KT   | 100 ± 10%      |                          |                       | 136                        | 126   |                                |
| WPZ1007CS1R12KT   | 120 ± 10%      |                          |                       | 113                        | 105   |                                |
| WPZ1007CS1R15KT   | 150 ± 10%      |                          |                       | 90                         | 84    |                                |
| WPZ1007CS1R18KT   | 180 ± 10%      |                          |                       | 75                         | 70    |                                |
| WPZ1007CS1R20KT   | 200 ± 10%      |                          |                       | 67                         | 62    | 60                             |
| WPZ1007CS1R22KT   | 220 ± 10%      |                          | 0.29 ± 10%            | 61                         | 57    |                                |
| WPZ1007CS1R27KT   | 270 ± 10%      |                          |                       | 51                         | 47    |                                |
| WPZ1007CS1R33KT   | 330 ± 10%      |                          |                       | 41                         | 38    |                                |
| WPZ1007CS1R47KT   | 470 ± 10%      |                          |                       | 29                         | 27    |                                |
| WPZ10087S1R10KT   | 100 ± 10%      |                          |                       | 96                         | /     | 61                             |
| WPZ10087S1R12KT   | 120 ± 10%      |                          |                       | 80                         | /     |                                |
| WPZ10087S1R15KT   | 150 ± 10%      |                          |                       | 72                         | /     |                                |
| WPZ10087S1R17KT   | 170 ± 10%      |                          |                       | 58                         | /     |                                |
| WPZ10087S1R20KT   | 200 ± 10%      |                          |                       | 48                         | /     |                                |
| WPZ10087S1R22KT   | 220 ± 10%      |                          | 0.29 ± 5%             | 46                         | /     |                                |
| WPZ10087S1R30KT   | 300 ± 10%      |                          |                       | 32                         | /     | 61                             |
| WPZ10087S1R33KT   | 330 ± 10%      |                          |                       | 28                         | /     |                                |
| WPZ10087B1R10KT   | 100 ± 10%      |                          |                       | 108                        | 98    |                                |
| WPZ10087B1R12KT   | 115 ± 10%      |                          |                       | 94                         | 86    |                                |
| WPZ10087B1R15KT   | 150 ± 10%      |                          |                       | 76                         | 70    |                                |
| WPZ10087B1R17KT   | 175 ± 10%      |                          |                       | 66                         | 60    |                                |
| WPZ10087B1R20KT   | 200 ± 10%      |                          |                       | 57                         | 52    |                                |
| WPZ10087B1R22KT   | 215 ± 10%      |                          |                       | 50                         | 43    |                                |
| WPZ10087B1R23KT   | 230 ± 10%      |                          |                       | 48                         | 40    |                                |
| WPZ10087B1R27KT   | 270 ± 10%      |                          |                       | 40                         | 34    |                                |
| WPZ10087B1R30KT   | 300 ± 10%      |                          |                       | 35                         | 30    |                                |

## 规格特性 Specifications

| 型号<br>Part Number | 电感量 Inductance | 测试条件<br>L Test Condition | 直流电阻<br>DC Resistance | 饱和电流<br>Saturation Current |       | 温升电流<br>Heat Rating<br>Current |
|-------------------|----------------|--------------------------|-----------------------|----------------------------|-------|--------------------------------|
| 单位 Units          | nH             | /                        | mΩ                    | Isat A                     |       | A                              |
| 符号 Symbol         | L              | /                        | DCR                   | 25°C                       | 100°C | I <sub>rms</sub>               |
| WPZ10088S180NKT   | 80 ± 10%       | @100kHz, 0.1V            | 0.18 ± 5%             | 130                        | 120   | 68                             |
| WPZ10088S182NKT   | 82 ± 10%       |                          |                       | 126                        | 116   |                                |
| WPZ10088S1R10KT   | 100 ± 10%      |                          |                       | 113                        | 100   |                                |
| WPZ10088S1R12KT   | 120 ± 10%      |                          |                       | 95                         | 84    |                                |
| WPZ10088S1R15KT   | 150 ± 10%      |                          |                       | 78                         | 69    |                                |
| WPZ10088S1R18KT   | 180 ± 10%      |                          |                       | 62                         | 56    |                                |
| WPZ10088S1R22KT   | 220 ± 10%      |                          |                       | 52                         | 45    |                                |
| WPZ10088S1R27KT   | 270 ± 10%      |                          |                       | 41                         | 36    |                                |
| WPZ10088S1R30KT   | 300 ± 10%      |                          |                       | 35                         | 33    |                                |
| WPZ10088S1R33KT   | 330 ± 10%      |                          |                       | 33                         | 30    |                                |
| WPZ1104AS170NKT   | 70 ± 10%       | @1MHz, 0.1V              | 0.2 Max.              | 100                        | 90    | 40                             |
| WPZ11068S1R10KT   | 100 ± 10%      | @300kHz, 0.1V            | 0.35 Max.             | 90                         | 75    | 40                             |
| WPZ11068S1R12KT   | 120 ± 10%      |                          |                       | 78                         | 67    |                                |
| WPZ11068S1R16KT   | 160 ± 10%      |                          |                       | 60                         | 50    |                                |
| WPZ11068S1R20KT   | 200 ± 10%      |                          |                       | 45                         | 38    |                                |
| WPZ11077S170NKT   | 70 ± 10%       | @100kHz, 1V              | 0.29 ± 10%            | 150                        | 140   | 39                             |
| WPZ11077S1R12KT   | 120 ± 10%      |                          |                       | 95                         | 83    |                                |
| WPZ11077S1R15KT   | 150 ± 10%      |                          |                       | 80                         | 62    |                                |
| WPZ11077S1R17KT   | 170 ± 10%      |                          |                       | 70                         | 55    |                                |
| WPZ11077S1R20KT   | 200 ± 10%      |                          |                       | 60                         | 45    |                                |
| WPZ11077S1R23KT   | 230 ± 10%      |                          |                       | 50                         | 36    |                                |
| WPZ11077S1R30KT   | 300 ± 10%      |                          |                       | 37                         | 28    |                                |
| WPZ11077S1R40KT   | 400 ± 10%      |                          |                       | 25                         | 18    |                                |
| WPZ11077S1R50KT   | 500 ± 10%      |                          |                       | 18                         | 13    |                                |
| WPZ11077S1R51KT   | 510 ± 10%      |                          |                       | 18                         | 13    |                                |
| WPZ11119S150N □ T | 50             | @100kHz, 1V              | 0.42 ± 10%            | 180                        | /     | 43                             |
| WPZ11119S1R10 □ T | 100            |                          |                       | 145                        | /     |                                |
| WPZ11119S1R12 □ T | 120            |                          |                       | 120                        | /     |                                |
| WPZ11119S1R15 □ T | 150            |                          |                       | 100                        | /     |                                |
| WPZ11119S1R20 □ T | 200            |                          |                       | 80                         | /     |                                |
| WPZ11119S1R25 □ T | 250            |                          |                       | 63                         | /     |                                |
| WPZ11119S1R27 □ T | 270            |                          |                       | 58                         | /     |                                |
| WPZ11119S1R30 □ T | 300            |                          |                       | 53                         | /     |                                |
| WPZ11119S1R33 □ T | 330            |                          |                       | 46                         | /     |                                |
| WPZ11119S1R47 □ T | 470            |                          |                       | 36                         | /     |                                |
| WPZ11119S1R56 □ T | 560            |                          |                       | 30                         | /     |                                |
| WPZ11119S11R0 □ T | 1000           |                          |                       | 13                         | /     |                                |
| WPZ12088S1R15KT   | 150 ± 10%      |                          | 0.29 ± 5%             | 85                         | /     | 50                             |
| WPZ12088S1R18KT   | 180 ± 10%      |                          |                       | 72                         | /     |                                |
| WPZ12088S1R21KT   | 210 ± 10%      |                          |                       | 65                         | /     |                                |
| WPZ12088S1R23KT   | 230 ± 10%      |                          |                       | 60                         | /     |                                |
| WPZ12088S1R25KT   | 250 ± 10%      |                          |                       | 52                         | /     |                                |
| WPZ12088S1R45KT   | 450 ± 10%      |                          |                       | 24                         | /     |                                |
| WPZ12088S1R47KT   | 470 ± 10%      |                          |                       | 22                         | /     |                                |
| WPZ13083S1R11KT   | 110 ± 10%      | @100kHz, 0.1V            | 0.45 ± 10%            | 65                         | /     | 30                             |
| WPZ13083S1R15KT   | 145 ± 10%      |                          |                       | 50                         | /     |                                |
| WPZ13083S1R21KT   | 210 ± 10%      |                          |                       | 34                         | /     |                                |
| WPZ13083S1R26KT   | 260 ± 10%      |                          |                       | 27                         | /     |                                |
| WPZ13083S1R32KT   | 320 ± 10%      |                          |                       | 22                         | /     |                                |

## 规格特性 Specifications

| 型号<br>Part Number | 电感量 Inductance | 测试条件<br>L Test Condition | 直流电阻<br>DC Resistance     | 饱和电流<br>Saturation Current |       | 温升电流<br>Heat Rating Current |
|-------------------|----------------|--------------------------|---------------------------|----------------------------|-------|-----------------------------|
| 单位 Units          | nH             | /                        | mΩ                        | Isat A                     |       | A                           |
| 符号 Symbol         | L              | /                        | DCR                       | 25°C                       | 100°C | Irms                        |
| WPZ13138S1R11KT   | 110±10%        | @100kHz, 1V              | 0.19±10%                  | 140                        | 113   | 68                          |
| WPZ13138S1R15KT   | 150±10%        |                          |                           | 100                        | 80    |                             |
| WPZ13138S1R18KT   | 180±10%        |                          |                           | 85                         | 68    |                             |
| WPZ13138S1R21KT   | 210±10%        |                          |                           | 80                         | 64    |                             |
| WPZ13138S1R26KT   | 260±10%        |                          |                           | 61                         | 50    |                             |
| WPZ13138S1R32KT   | 320±10%        |                          |                           | 45                         | 36    |                             |
| WPZ13138S1R36KT   | 360±10%        |                          |                           | 40                         | 32    |                             |
| WPZ13138S1R44KT   | 440±10%        |                          |                           | 37                         | 30    |                             |
| WPZ13138S1R50KT   | 500±10%        | @100kHz, 1V              | 0.891 Max.<br>(0.81 Typ.) | 28                         | 22    | 30                          |
| WPZ1007AB1R47KT   | 470±10%        |                          |                           | 48                         | 38    |                             |
| WPZ1007AB1R68KT   | 680±10%        |                          |                           | 34                         | 29    |                             |

※1: 所有的测试数据均在 20°C 环境温度进行;

※1: All test data is referenced to 25°C ambient;

※2: 饱和电流: 使电感值从初始状态下下降约 20% 的直流电流值;

※2: Isat: DC current at which the inductance drops approximate 20% from its value without current;

※3: 温升电流: 使产品表面温度从 25°C 升高 ( $\Delta T = 40^\circ\text{C}$ ) 的直流电流值。

※3: I<sub>rms</sub>: DC current that causes the temperature rise ( $\Delta T$ ) from 25°C ambient when two coils connected in series,  $\Delta T$  is approximate 40°C.

※4: "□"代表电感公差, K±10%, L±15%, M±20%。

※4: "□"stands for inductance tolerance, K±10%, L±15%, M±20%.

## 外观尺寸 Shape and Dimensions — 3 Pins

Fig.1

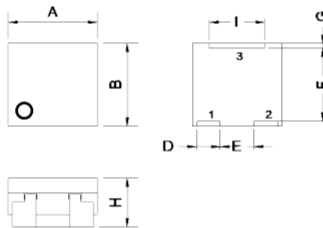


Fig.2

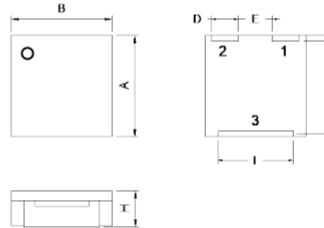
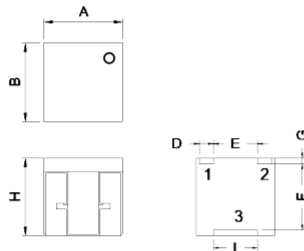


Fig.3



Recommended Land Pattern (Typ.)

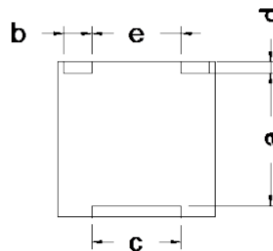
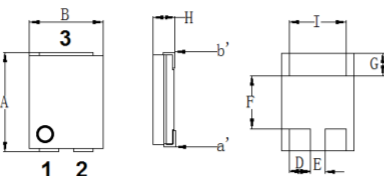
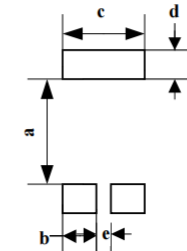


Fig.4



Recommended Land Pattern (Typ.)



## 外观尺寸

Shape and Dimensions  
— 3 Pins

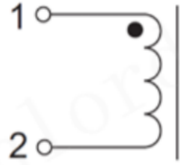
Unit: mm

| Series     | Shape | A             | B             | H         | D        | E        | F        | G        |
|------------|-------|---------------|---------------|-----------|----------|----------|----------|----------|
| WPZ06065S1 | Fig.3 | 6.2±0.2       | 6.2±0.2       | 5.15±0.15 | 1.72±0.1 | 2.6±0.3  | 5.2±0.3  | 0.45±0.1 |
| WPZ10103S1 | Fig.2 | 9.8+0.2/-0.25 | 9.8+0.2/-0.25 | 3.2±0.15  | 2.6±0.2  | /        | 8.7±0.2  | 0.5±0.1  |
| WPZ10106S1 | Fig.1 | 9.8±0.2       | 9.8±0.2       | 5.75±0.25 | 2.6±0.1  | 3.7 typ. | /        | 0.6±0.1  |
| WPZ16123S1 | Fig.4 | 15±0.3        | 11±0.3        | 2.8±0.2   | 3.0±0.2  | 2.45±0.2 | 10.1±0.2 | 2.5±0.2  |
| WPZ18113S1 | Fig.4 | 17.5±0.5      | 11±0.4        | 3.0 max.  | /        | /        | /        | /        |

| Series     | Shape | l        | a Typ. | b Typ. | c Typ. | d Typ. | e Typ. | / |
|------------|-------|----------|--------|--------|--------|--------|--------|---|
| WPZ06065S1 | Fig.3 | 3.5±0.2  | 4.7    | 2.2    | 3.9    | 1.0    | 2.1    | / |
| WPZ10103S1 | Fig.2 | 7.3±0.3  | 8.0    | /      | 7.8    | /      | /      | / |
| WPZ10106S1 | Fig.1 | 6.1±0.1  | /      | 3.0    | 6.5    | 1.2    | 3.3    | / |
| WPZ16123S1 | Fig.4 | 8.45±0.2 | 8.6    | 4.0    | 9.5    | 3.9    | 1.5    | / |
| WPZ18113S1 | Fig.4 | /        | 11.6   | 3.7    | 9.0    | 3.2    | /      | / |

## 等效电路

Equivalent Circuit



## 规格特性

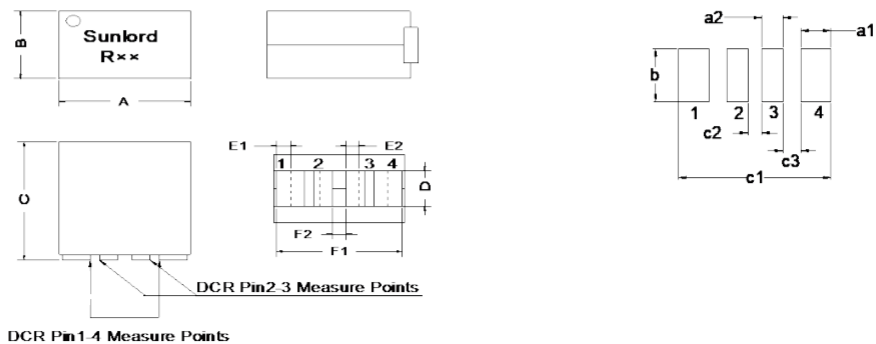
Specifications

| 型号<br>Part Number | 电感量<br>Inductance | 测试条件<br>L Test Condition | 直流电阻<br>DC Resistance | 饱和电流<br>Saturation Current |      | 温升电流<br>Heat Rating Current | 温升电流<br>(pin1-2)<br>Heat Rating Current |
|-------------------|-------------------|--------------------------|-----------------------|----------------------------|------|-----------------------------|-----------------------------------------|
| 单位 Units          | nH                | /                        | mΩ                    | Isat A                     |      | A                           | A                                       |
| 符号 Symbol         | L                 | /                        | DCR                   | 25℃                        | 100℃ | Irms                        | Irms                                    |
| WPZ06065S1R10KT   | 100±10%           | @1MHz, 1V                | 0.4±12.5%             | 50                         | 40   | /                           | 24                                      |
| WPZ06065S1R12KT   | 120±10%           |                          |                       | 41                         | 33   | /                           |                                         |
| WPZ06065S1R15KT   | 150±10%           |                          |                       | 33                         | 26   | /                           |                                         |
| WPZ06065S1R20KT   | 200±10%           |                          |                       | 25                         | 20   | /                           |                                         |
| WPZ10103S1R10LT   | 100±15%           |                          | 0.45±15%              | 79                         | /    | 61                          | 31                                      |
| WPZ10103S1R15LT   | 150±15%           |                          |                       | 52                         | /    | 41                          |                                         |
| WPZ10103S1R22LT   | 220±15%           |                          |                       | 36                         | /    | 28                          |                                         |
| WPZ10103S1R30LT   | 300±15%           |                          |                       | 26                         | /    | 20                          |                                         |
| WPZ10106S1R10KT   | 100±10%           |                          | 0.66±10%              | 120                        | /    | 95                          | 20                                      |
| WPZ10106S1R20KT   | 200±10%           |                          |                       | 60                         | /    | 50                          |                                         |
| WPZ10106S1R22KT   | 220±10%           |                          |                       | 54                         | /    | 43                          |                                         |
| WPZ10106S1R30KT   | 300±10%           |                          |                       | 43                         | /    | 33                          |                                         |
| WPZ10106S1R45KT   | 450±10%           |                          |                       | 29                         | /    | 23                          |                                         |
| WPZ10106S1R50KT   | 500±10%           |                          |                       | 26                         | /    | 20                          |                                         |
| WPZ16123S1R16KT   | 145~185           | @300KHz, 1V              | 0.66 Max.             | 55                         | 45   | /                           | 28.5                                    |
| WPZ18113S1R25KT   | 250±10%           |                          |                       | 30                         | /    | /                           | 25                                      |

## 外观尺寸

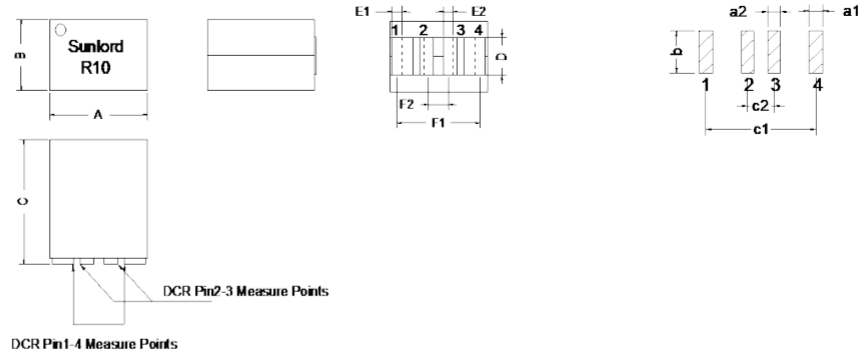
Shape and Dimensions  
— 4 Pins

Fig.1



## 外观尺寸 Shape and Dimensions —4 Pins

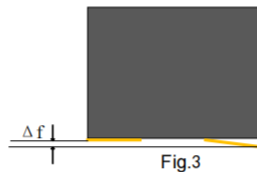
Fig.2



Unit: mm

| Series                    | Shape | A        | B       | C             | D        | E1       | E2       | F1        |
|---------------------------|-------|----------|---------|---------------|----------|----------|----------|-----------|
| WPZ0906AS2                | Fig.1 | 9.3±0.3  | 6.1±0.3 | 9.7±0.3       | 3.2±0.2  | 1.5±0.3  | 1.0±0.3  | 9.25±0.5  |
| WPZ0906BS2                | Fig.1 | 9.3±0.3  | 6.1±0.3 | 11.1±0.3      | 3.05±0.2 | 1.35±0.3 | 0.76±0.3 | 9.25±0.3  |
| WPZ10056B2                | Fig.1 | 10.0±0.2 | 4.8±0.4 | 5.7±0.3       | 1.5±0.3  | 1.7±0.3  | 1.2±0.3  | 9.8±0.3   |
|                           |       |          | 4.6±0.4 |               |          |          |          |           |
| WPZ1205CS2                | Fig.1 | 11.7±0.3 | 4.8±0.3 | 11.8±0.2      | 2.0±0.2  | 1.55±0.3 | 1.25±0.3 | 11.69±0.3 |
|                           |       |          | 4.7±0.3 |               |          |          |          |           |
| WPZ1206AB2                | Fig.1 | 11.7±0.3 | 5.7±0.3 | 9.7±0.3       | 2.8±0.3  | 1.56±0.3 | 1.2±0.3  | /         |
| WPZ1206BS2/<br>WPZ1206BB2 | Fig.2 | 11.7±0.3 | 5.7±0.3 | 10.7±0.4/-0.3 | 2.45±0.3 | 1.3±0.3  | 1.15±0.3 | 11.4±0.5  |
| WPZ1206CS2/<br>WPZ1206CB2 | Fig.1 | 11.7±0.3 | 5.8±0.3 | 11.8±0.3      | 2.6±0.3  | 1.63±0.3 | 1.27±0.3 | 11.7±0.3  |
|                           |       |          | 5.7±0.3 |               |          |          |          |           |

| Series                    | Shape | F2       | a1        | a2        | b         | c1         | c2        | c3         |
|---------------------------|-------|----------|-----------|-----------|-----------|------------|-----------|------------|
| WPZ0906AS2                | Fig.1 | 1.4±0.5  | 2.15±0.3  | 1.45±0.3  | 3.6±0.3   | 10.1±0.5   | 1.0±0.3   | /          |
| WPZ0906BS2                | Fig.1 | 1.48±0.3 | 1.85 typ. | 1.26 typ. | 3.55 typ. | 9.75 typ.  | 0.98 typ. | 1.275 typ. |
| WPZ10056B2                | Fig.1 | 1.5±0.3  | 2.3 typ.  | 1.8 typ.  | 1.9 typ.  | 10.4 typ.  | 0.9 typ.  | /          |
| WPZ1205CS2                | Fig.1 | 1.3±0.3  | 2.15 typ. | 1.6 typ.  | 2.4 typ.  | 12.25 typ. | 0.8 typ.  | /          |
| WPZ1206AB2                | Fig.1 | 1.6±0.3  | 2.16 typ. | 1.8 typ.  | 3.2 typ.  | 12.15 typ. | 1.0 typ.  | 1.62 typ.  |
| WPZ1206BS2/<br>WPZ1206BB2 | Fig.2 | /        | 1.8±0.3   | 1.65±0.3  | 2.85±0.3  | 10.1±0.5   | 2.65±0.5  | /          |
| WPZ1206CS2/<br>WPZ1206CB2 | Fig.1 | 1.35±0.3 | 2.13 typ. | 1.77 typ. | 3.05 typ. | 12.2 typ.  | 0.85 typ. | /          |



Δ f: Clearance between terminal and the surface of plate must be 0.1mm Max. when coil is placed on a flat plate. (Refer to Fig.3)

## 规格特性 Specifications

| 型号<br>Part Number | 电感量<br>Inductance | 测试条件<br>L Test Condition | 直流电阻<br>DC Resistance |          | 饱和电流<br>Saturation Current |      | 温升电流<br>Heat Rating Current |                  | 耐压<br>Hi-Pot          | 漏感 Lk<br>@25℃                 |
|-------------------|-------------------|--------------------------|-----------------------|----------|----------------------------|------|-----------------------------|------------------|-----------------------|-------------------------------|
| 单位 Units          | nH                | /                        | mΩ                    |          | Isat<br>(Pin1-4) A         |      | A                           |                  | /                     | nH                            |
| 符号 Symbol         | L(Pin1-4)         | /                        | Pin1-4                | Pin2-3   | 25℃                        | 100℃ | Irms<br>(Pin1-4)            | Irms<br>(Pin2-3) | Pri(1.4)-<br>Sec(2.3) | Pin1-4<br>(Shorted<br>Pin2-3) |
| WPZ0906AS2R10LT   | 100±15%           | @500KHz<br>0.25V         | 0.125±10%             | 0.45±10% | 92                         | 82   | 75                          | 39               | 100Vdc<br>2s 2mA      | 20nH<br>Ref.                  |
| WPZ0906AS2R12LT   | 120±15%           |                          |                       |          | 75                         | 66   |                             |                  |                       |                               |
| WPZ0906AS2R15LT   | 150±15%           |                          |                       |          | 60                         | 52   |                             |                  |                       |                               |

## 规格特性 Specifications

| 型号<br>Part Number | 电感量<br>Inductance | 测试条件<br>L Test Condition | 直流电阻<br>DC Resistance   |                         | 饱和电流<br>Saturation Current |       | 温升电流<br>Heat Rating Current |                  | 耐压<br>Hi-Pot          | 漏感<br>Lk<br>@25°C             |
|-------------------|-------------------|--------------------------|-------------------------|-------------------------|----------------------------|-------|-----------------------------|------------------|-----------------------|-------------------------------|
| 单位 Units          | nH                | /                        | mΩ                      |                         | Isat<br>(Pin1-4) A         |       | A                           |                  | /                     | nH                            |
| 符号 Symbol         | L(Pin1-4)         | /                        | Pin1-4                  | Pin2-3                  | 25°C                       | 100°C | Irms<br>(Pin1-4)            | Irms<br>(Pin2-3) | Pri(1.4)-<br>Sec(2.3) | Pin1-4<br>(Shorted<br>Pin2-3) |
| WPZ0906BS270NLT   | 70±15%            | @100KHz,<br>0.1V         | 0.125±10%               | 0.6±10%                 | 149                        | 129   | 75                          | 33               | 100Vdc<br>2s 2mA      | 20nH<br>Ref.                  |
| WPZ0906BS280NLT   | 80±15%            |                          |                         |                         | 131                        | 113   |                             |                  |                       |                               |
| WPZ0906BS2R10LT   | 100±15%           |                          |                         |                         | 105                        | 91    |                             |                  |                       |                               |
| WPZ0906BS2R11LT   | 110±15%           |                          |                         |                         | 95                         | 82    |                             |                  |                       |                               |
| WPZ0906BS2R12LT   | 120±15%           |                          |                         |                         | 87                         | 75    |                             |                  |                       |                               |
| WPZ0906BS2R15LT   | 150±15%           |                          |                         |                         | 70                         | 60    |                             |                  |                       |                               |
| WPZ0906BS2R17LT   | 170±15%           |                          |                         |                         | 61                         | 53    |                             |                  |                       |                               |
| WPZ10056B250N □ T | 50                | @100KHz,<br>1V           | 0.32 Max.<br>(0.27Typ.) | 0.96 Max.<br>(0.8Typ.)  | 130                        | 100   | 44                          | 25               |                       | 10nH<br>Ref.                  |
| WPZ10056B2R10 □ T | 100               |                          |                         |                         | 70                         | 58    |                             |                  |                       |                               |
| WPZ10056B2R12 □ T | 120               |                          |                         |                         | 57                         | 48    |                             |                  |                       |                               |
| WPZ10056B2R15 □ T | 150               |                          |                         |                         | 45                         | 38    |                             |                  |                       |                               |
| WPZ1205CS270N □ T | 70                |                          | 0.125±10%               | 0.45±10%                | 145                        | 126   | 75                          | 39               |                       |                               |
| WPZ1205CS2R10 □ T | 100               |                          |                         |                         | 102                        | 90    |                             |                  |                       |                               |
| WPZ1205CS2R12 □ T | 120               |                          |                         |                         | 85                         | 74    |                             |                  |                       |                               |
| WPZ1205CS2R15 □ T | 150               |                          |                         |                         | 68                         | 59    |                             |                  |                       |                               |
| WPZ1205CS2R17 □ T | 170               |                          |                         |                         | 57                         | 50    |                             |                  |                       |                               |
| WPZ1206AB270NLT   | 70±15%            | @600KHz,<br>1V           | 0.115 Max.<br>(0.1Typ.) | 0.74 Max.<br>(0.64Typ.) | 155                        | 140   | 88                          | 39               | 10nH<br>Max.          |                               |
| WPZ1206AB2R10LT   | 100±15%           |                          |                         |                         | 110                        | 100   |                             |                  |                       |                               |
| WPZ1206AB2R12LT   | 120±15%           |                          |                         |                         | 92                         | 82    |                             |                  |                       |                               |
| WPZ1206AB2R15LT   | 150±15%           |                          |                         |                         | 70                         | 65    |                             |                  |                       |                               |
| WPZ1206AB2R18LT   | 180±15%           |                          |                         |                         | 60                         | 55    |                             |                  |                       |                               |
| WPZ1206BS270NLT   | 70±15%            | @100KHz,<br>1V           | 0.143Max.<br>(0.13Typ.) | 0.429Max.<br>(0.39Typ.) | 157                        | 142   | 78                          | 45               | 200Vdc<br>2s 2mA      | 20%*L<br>Max.                 |
| WPZ1206BS2R10LT   | 100±15%           |                          |                         |                         | 112                        | 100   |                             |                  |                       |                               |
| WPZ1206BS2R12LT   | 120±15%           |                          |                         |                         | 94                         | 83    |                             |                  |                       |                               |
| WPZ1206BS2R15LT   | 150±15%           |                          |                         |                         | 74                         | 66    |                             |                  |                       |                               |
| WPZ1206BS2R17LT   | 170±15%           |                          |                         |                         | 64                         | 58    |                             |                  |                       |                               |
| WPZ1206BS2R20LT   | 200±15%           |                          |                         |                         | 55                         | 50    |                             |                  |                       |                               |
| WPZ1206BB270NLT   | 70±15%            |                          |                         |                         | 157                        | 142   |                             |                  |                       |                               |
| WPZ1206BB2R10LT   | 100±15%           |                          |                         |                         | 112                        | 100   |                             |                  |                       |                               |
| WPZ1206BB2R12LT   | 120±15%           |                          |                         |                         | 94                         | 83    |                             |                  |                       |                               |
| WPZ1206BB2R15LT   | 150±15%           |                          |                         |                         | 74                         | 66    |                             |                  |                       |                               |
| WPZ1206BB2R17LT   | 170±15%           |                          |                         |                         | 64                         | 58    |                             |                  |                       |                               |
| WPZ1206BB2R20LT   | 200±15%           |                          |                         |                         | 55                         | 50    |                             |                  |                       |                               |
| WPZ1206CS270NLT   | 70±15%            |                          | 0.125±10%               | 0.37±10%                | 178                        | 145   | 75                          | 40               | 100Vdc<br>2s 2mA      | 10nH<br>Ref.                  |
| WPZ1206CS2R10LT   | 100±15%           |                          |                         |                         | 125                        | 100   |                             |                  |                       |                               |
| WPZ1206CS2R12LT   | 120±15%           |                          |                         |                         | 106                        | 88    |                             |                  |                       |                               |
| WPZ1206CS2R15LT   | 150±15%           |                          |                         |                         | 82                         | 70    |                             |                  |                       |                               |
| WPZ1206CS2R17LT   | 170±15%           |                          |                         |                         | 73                         | 60    |                             |                  |                       |                               |
| WPZ1206CB270N □ T | 70                |                          |                         |                         | 186                        | 160   |                             |                  |                       |                               |
| WPZ1206CB2R10 □ T | 100               |                          |                         |                         | 130                        | 112   |                             |                  |                       |                               |
| WPZ1206CB2R12 □ T | 120               |                          |                         |                         | 108                        | 93    |                             |                  |                       |                               |
| WPZ1206CB2R15 □ T | 150               |                          |                         |                         | 87                         | 75    |                             |                  |                       |                               |
| WPZ1206CB2R17 □ T | 170               |                          |                         |                         | 76                         | 66    |                             |                  |                       |                               |

※1: 所有的测试数据均在 25°C 环境温度进行;

※1: All test data is referenced to 25°C ambient;

※2: 饱和电流: 使电感值从初始状态下下降约 20% 的直流电流值;

※2: Isat: DC current at which the inductance drops approximate 20% from its value without current;

※3: 温升电流: 使产品表面温度从 25°C 升高 (ΔT = 40°C) 的直流电流值。

※3: I<sub>rms</sub>: DC current that causes the temperature rise (ΔT) from 25°C ambient when two coils connected in series, ΔT is approximate 40°C.

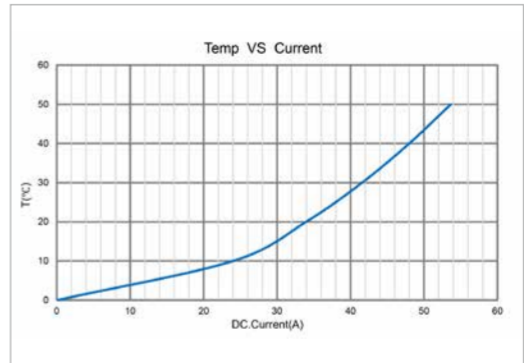
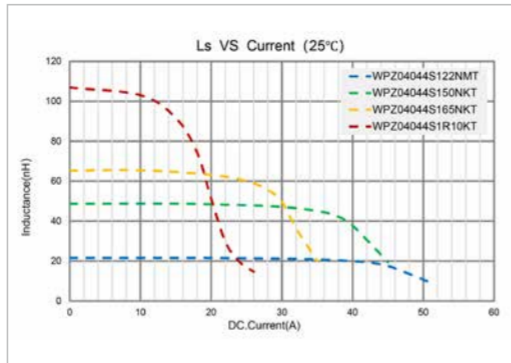
※4: “□”代表电感公差, K±10%, L±15%。

※4: “□”stands for inductance tolerance, K±10%, L±15%.

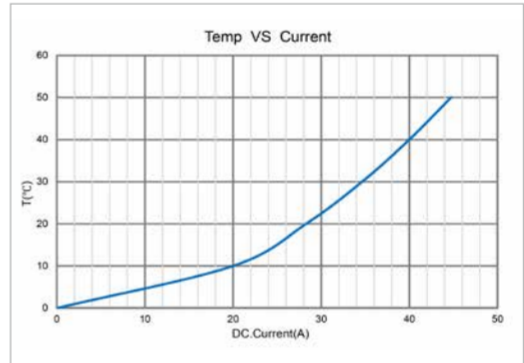
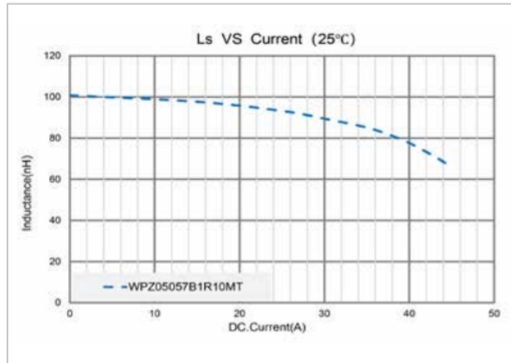
## 电气特性

Typical  
Electrical  
Characteristics

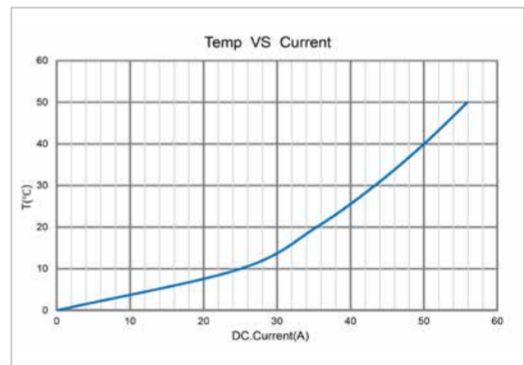
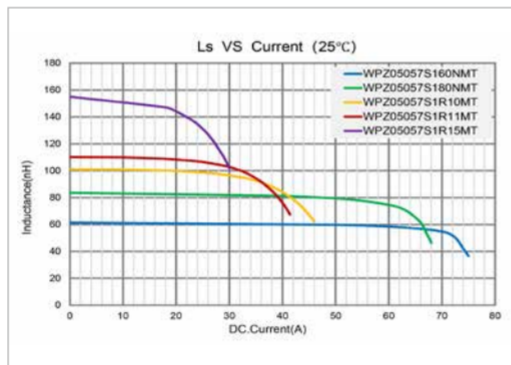
### WPZ04044S1 Series



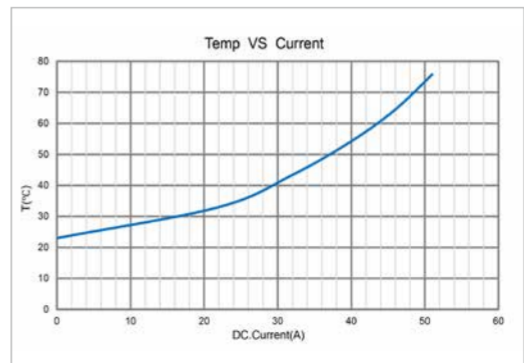
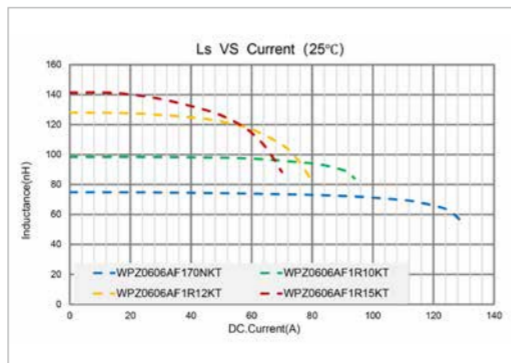
### WPZ05057B1 Series



### WPZ05057S1 Series



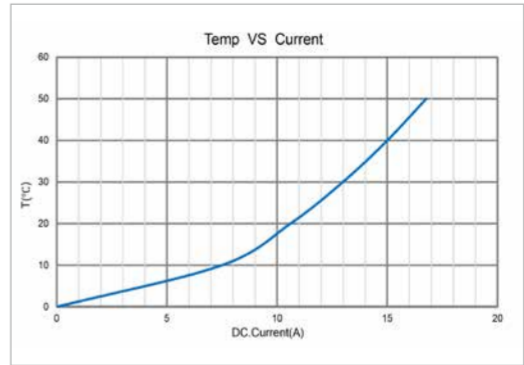
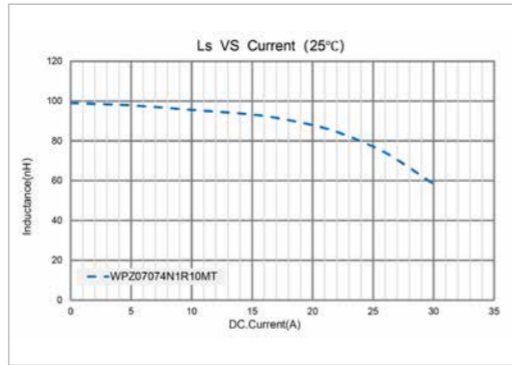
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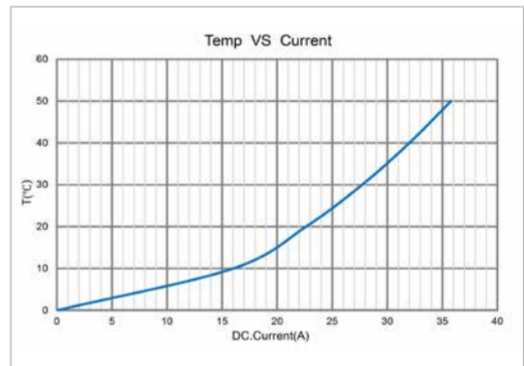
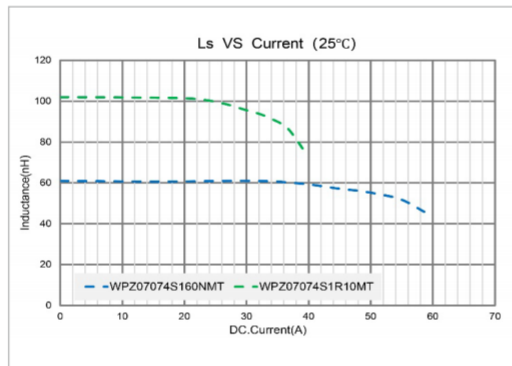
## 电气特性

### Typical Electrical Characteristics

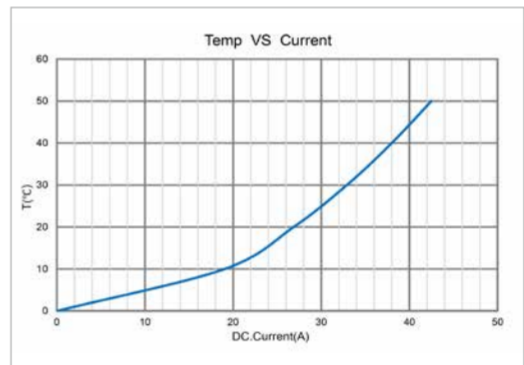
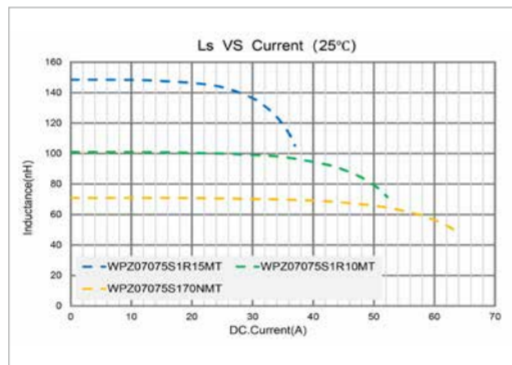
WPZ07074N1 Series



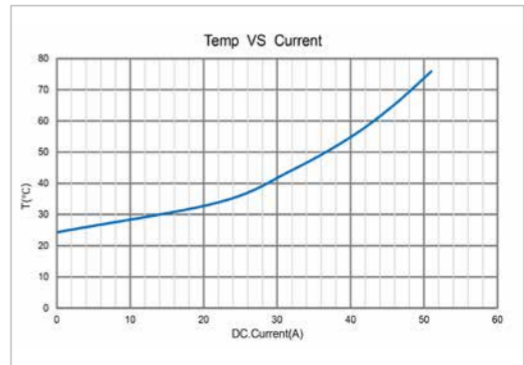
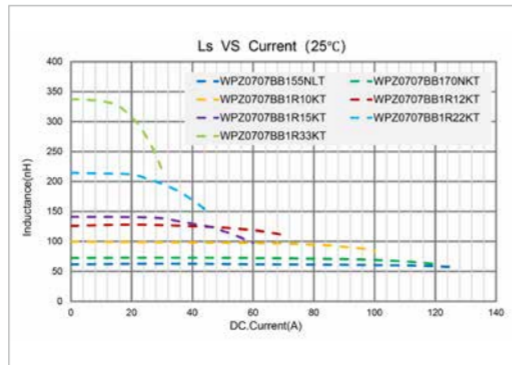
WPZ07074S1 Series



WPZ07075S1 Series



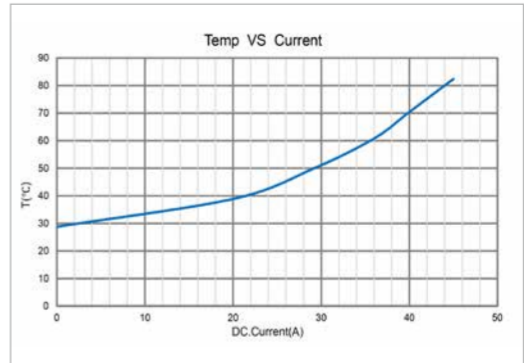
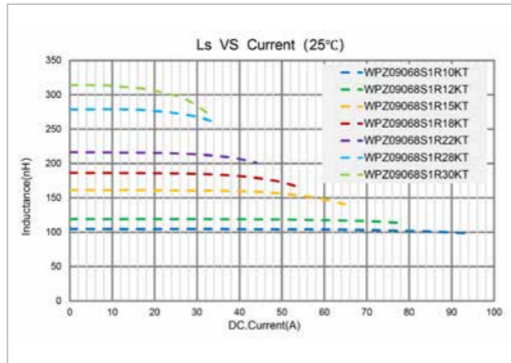
WPZ0707BB1 Series



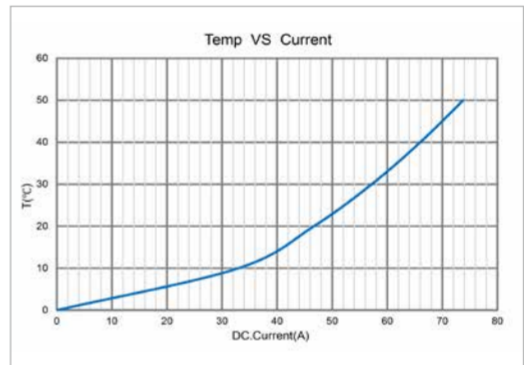
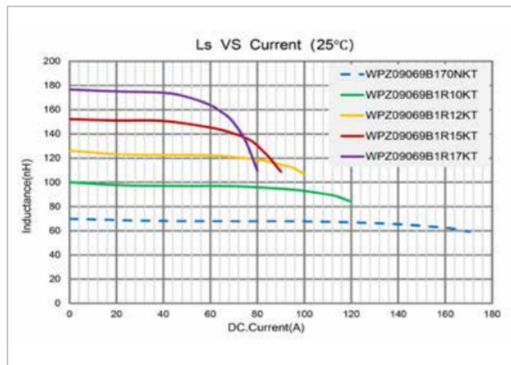
## 电气特性

Typical  
Electrical  
Characteristics

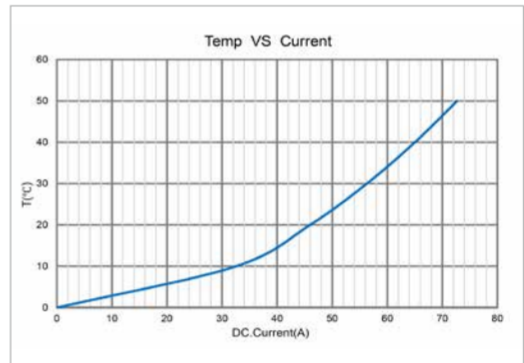
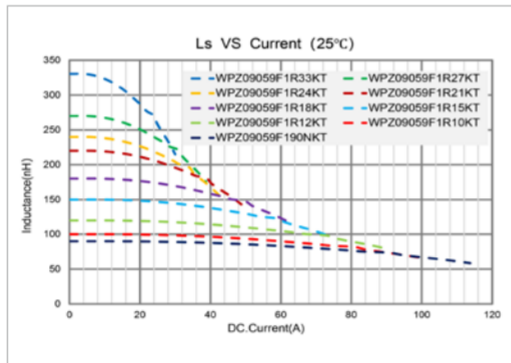
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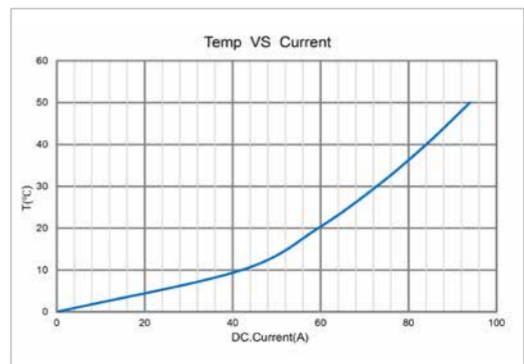
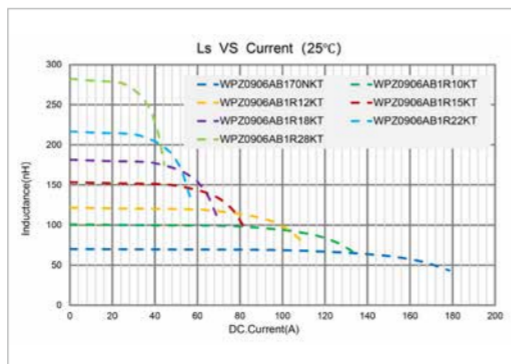
### WPZ09069B1 Series



### WPZ09059F1 Series



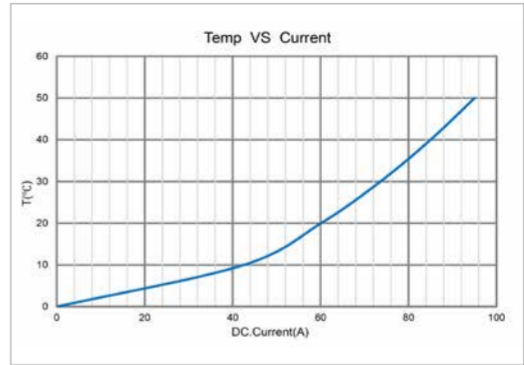
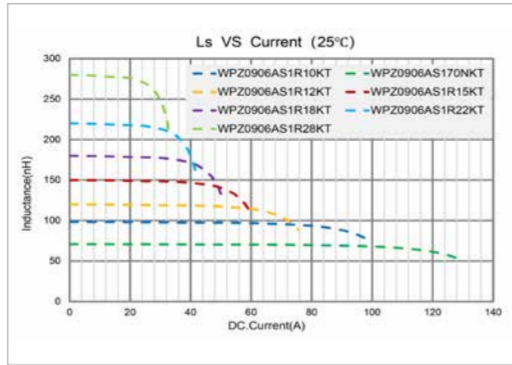
### WPZ0906AB1 Series



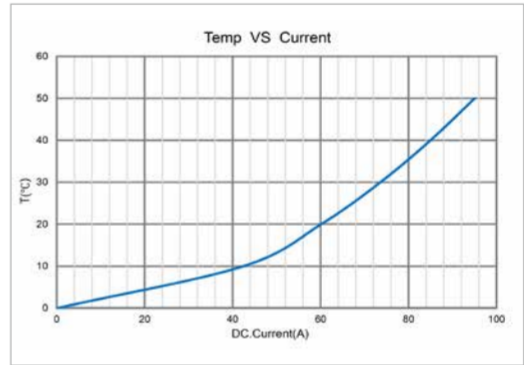
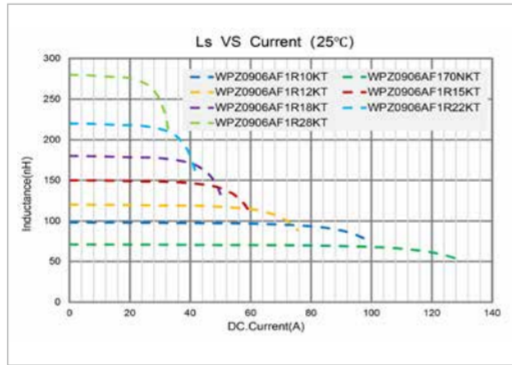
## 电气特性

Typical  
Electrical  
Characteristics

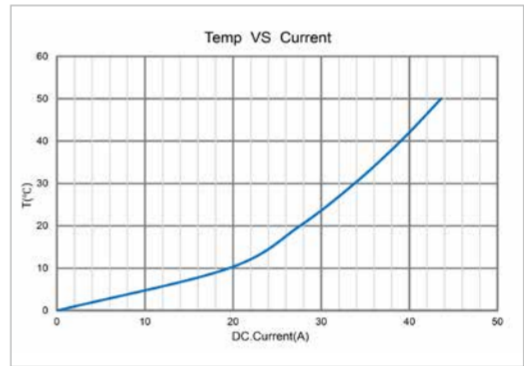
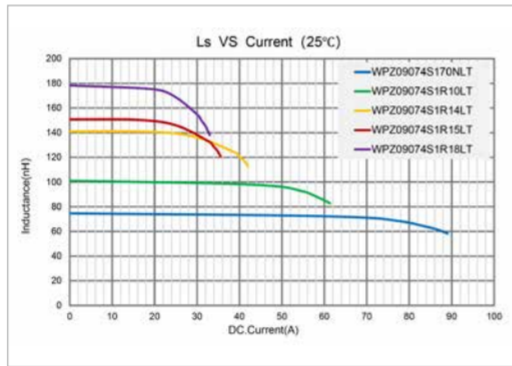
### WPZ0906AS1 Series



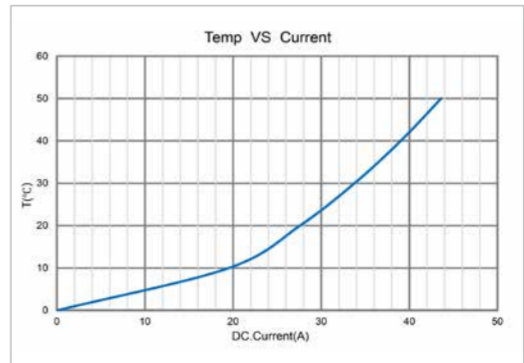
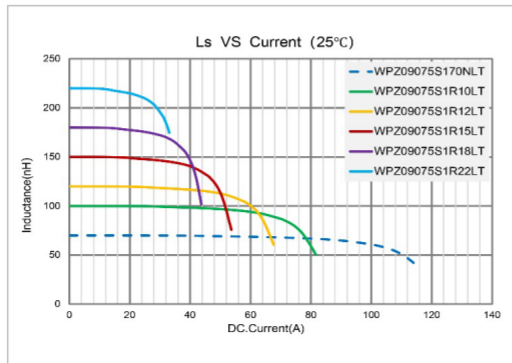
### WPZ0906AF1 Series



### WPZ09074S1 Series



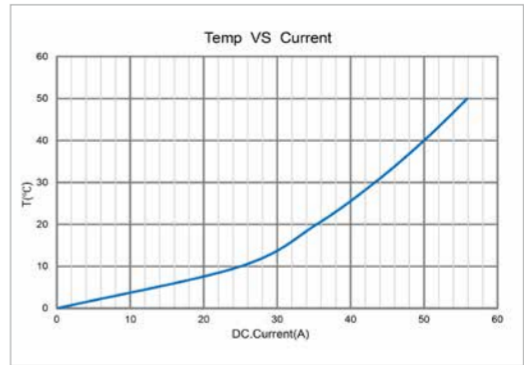
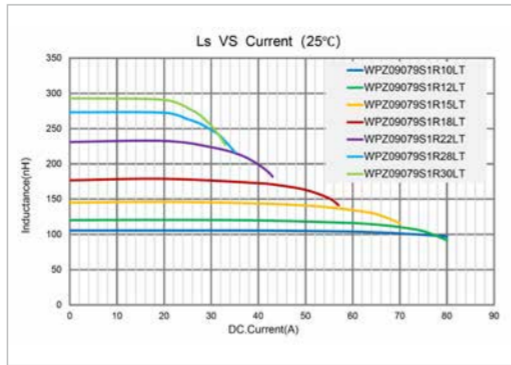
### WPZ09075S1 Series



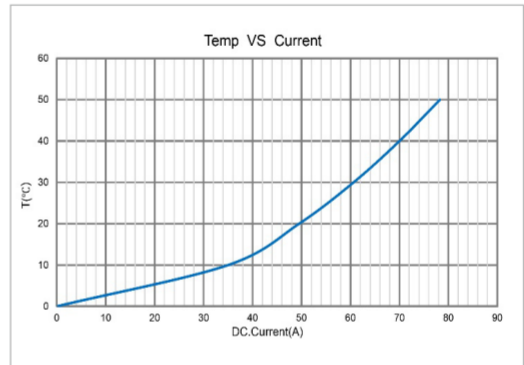
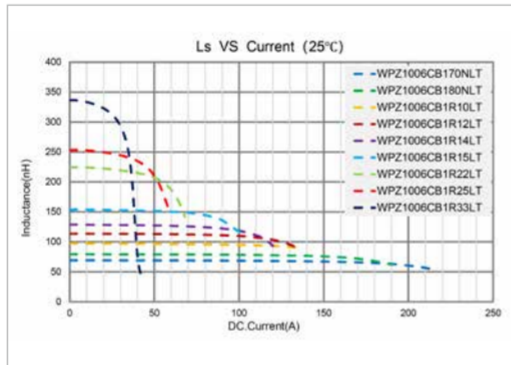
## 电气特性

Typical  
Electrical  
Characteristics

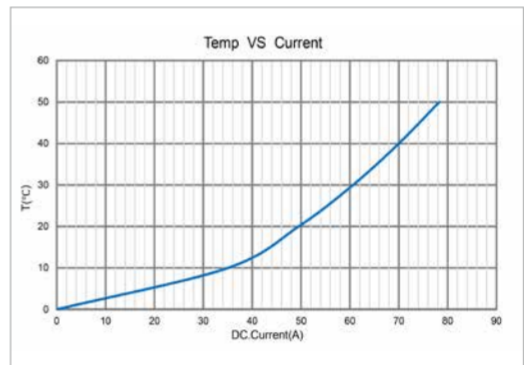
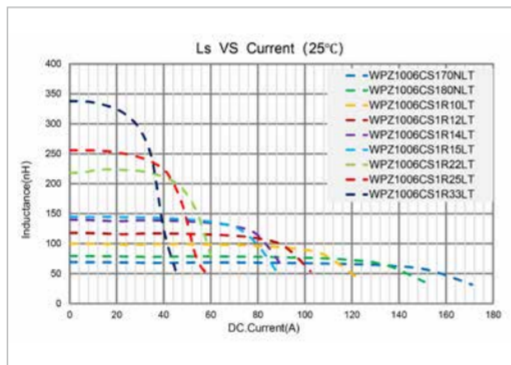
### WPZ09079S1 Series



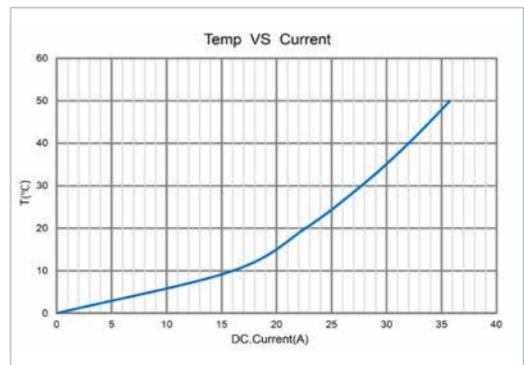
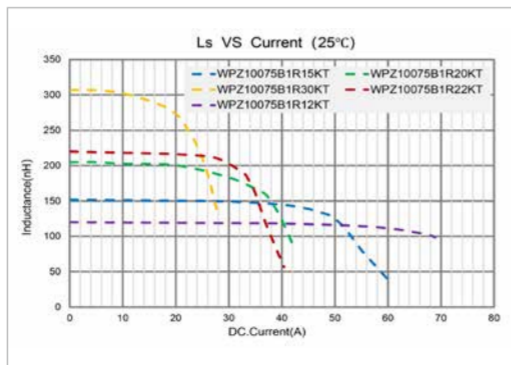
### WPZ1006CB1 Series



### WPZ1006CS1 Series



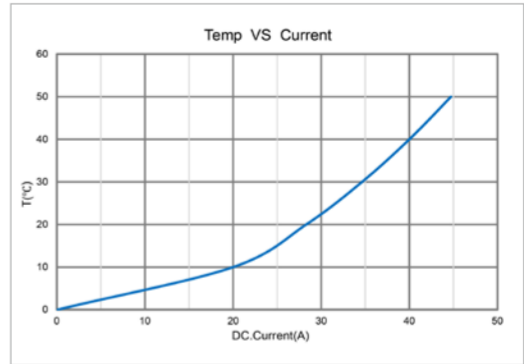
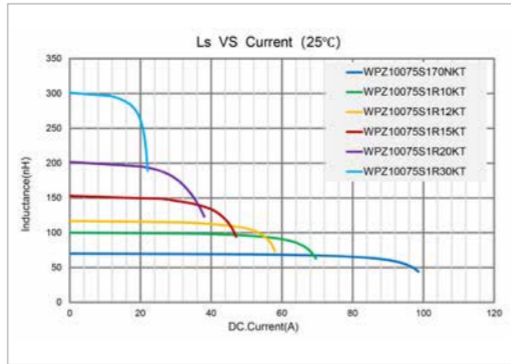
### WPZ10075B1 Series



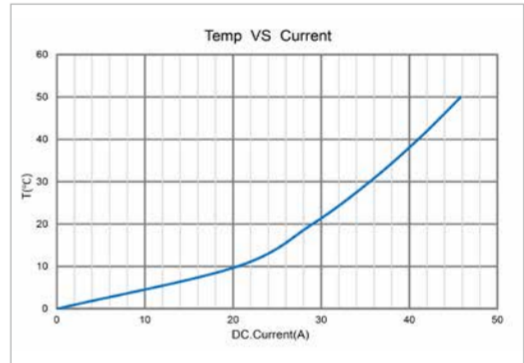
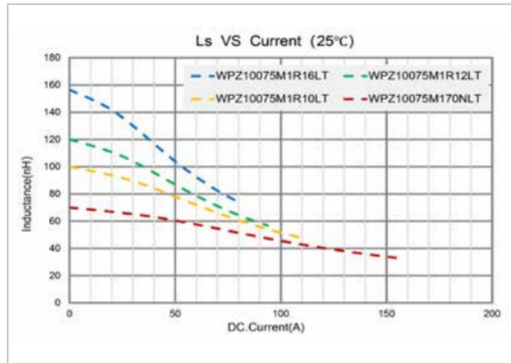
## 电气特性

### Typical Electrical Characteristics

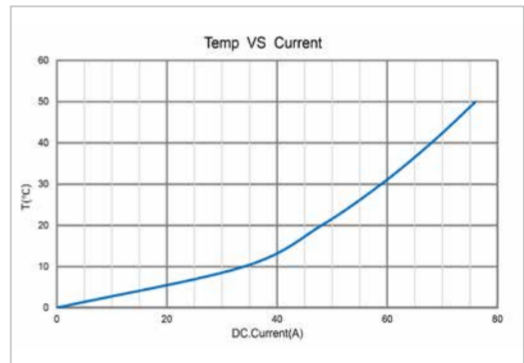
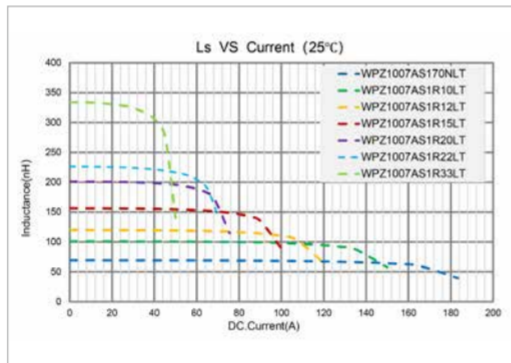
#### WPZ10075S1 Series



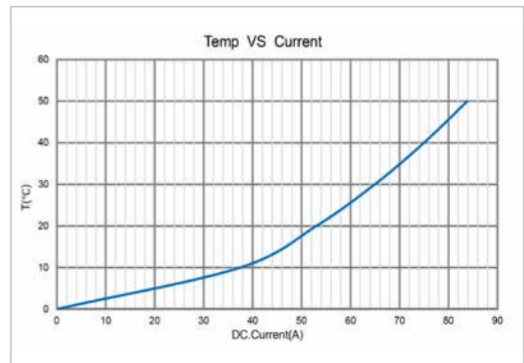
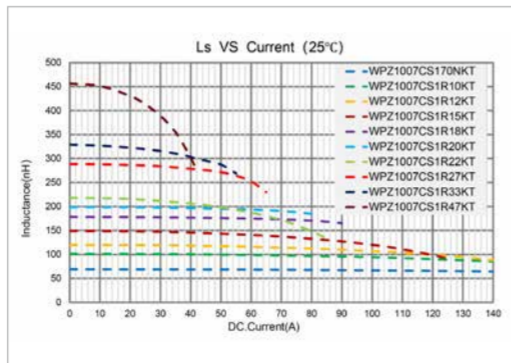
#### WPZ10075M1 Series



#### WPZ1007AS1 Series



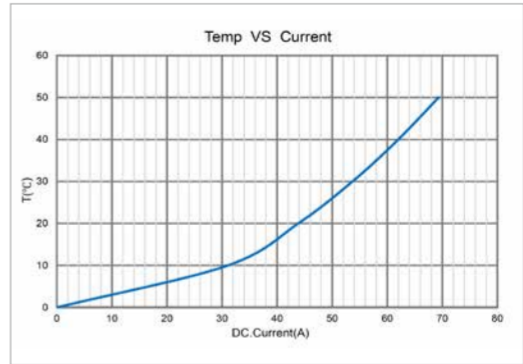
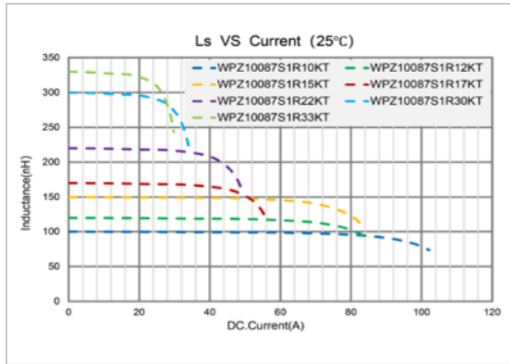
#### WPZ1007CS1 Series



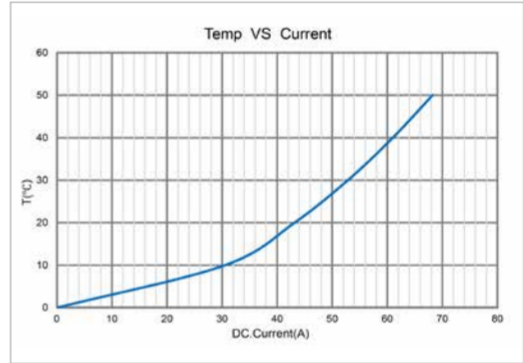
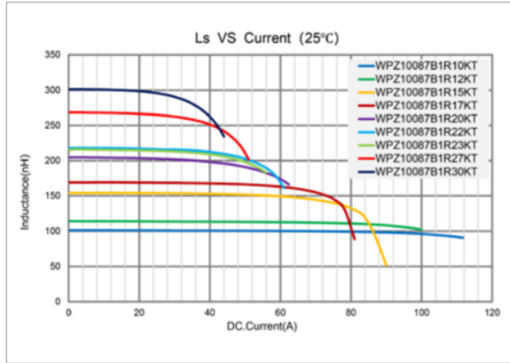
## 电气特性

### Typical Electrical Characteristics

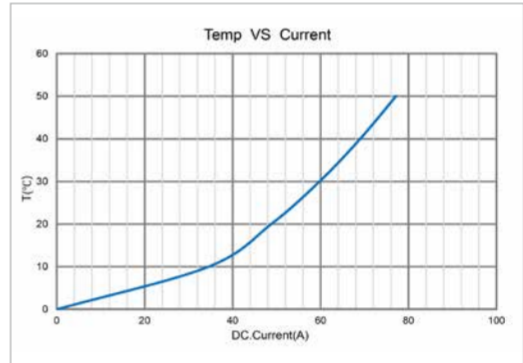
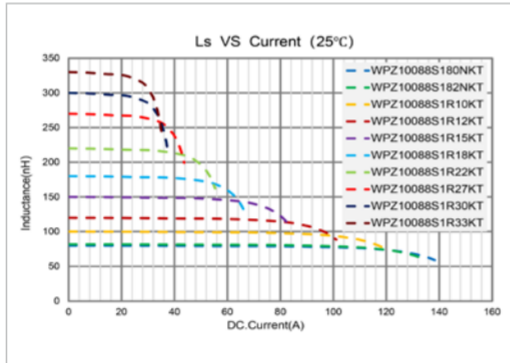
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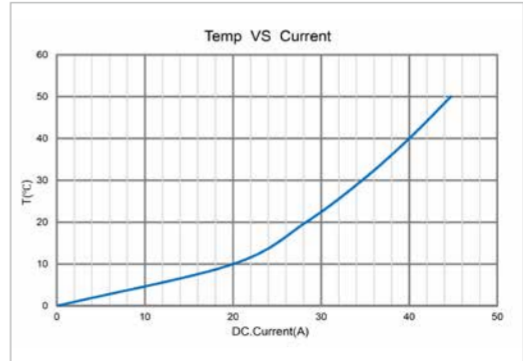
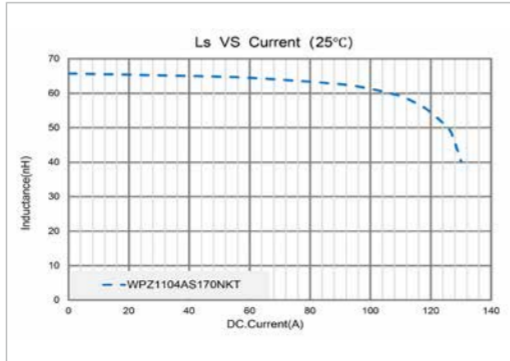
#### WPZ10087B1 Series



#### WPZ10088S1 Series



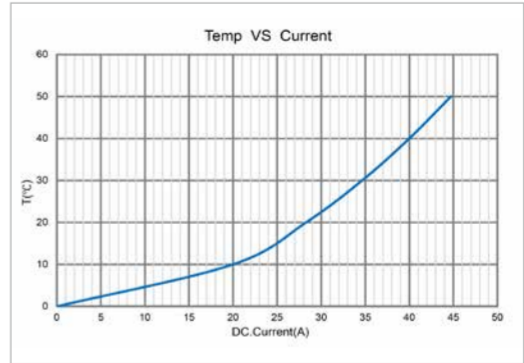
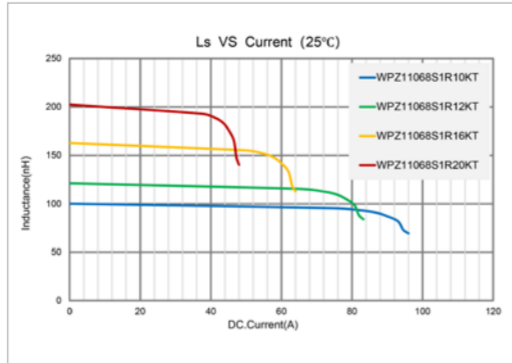
#### WPZ1104AS1 Series



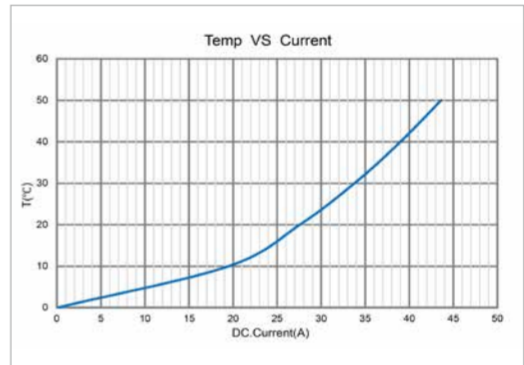
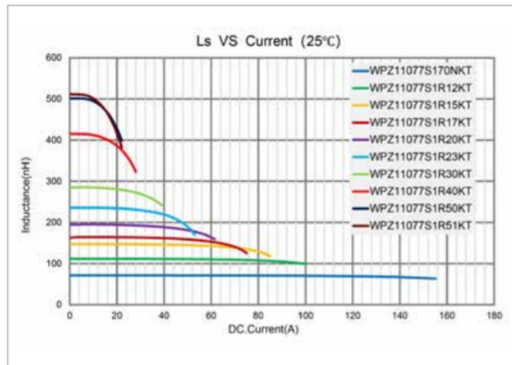
## 电气特性

Typical  
Electrical  
Characteristics

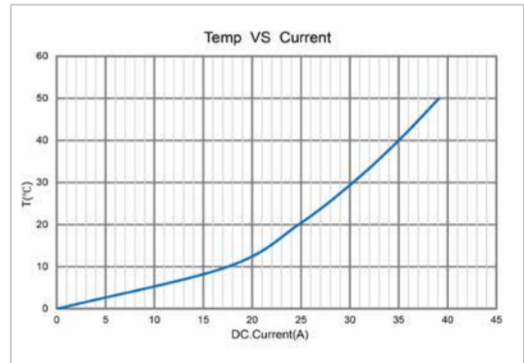
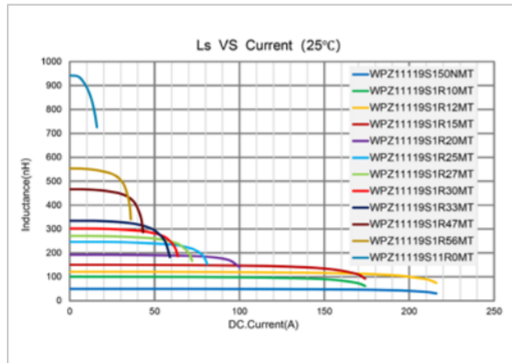
### WPZ11068S1 Series



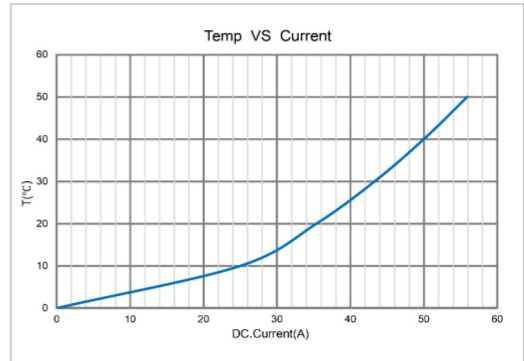
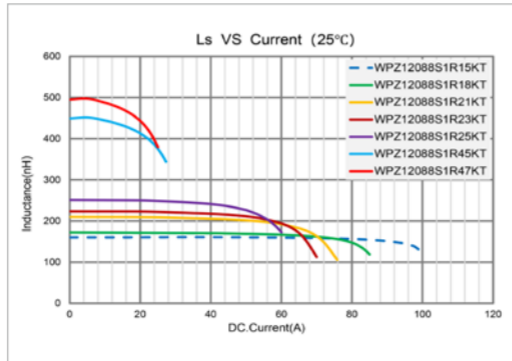
### WPZ11077S1 Series



### WPZ11119S1 Series



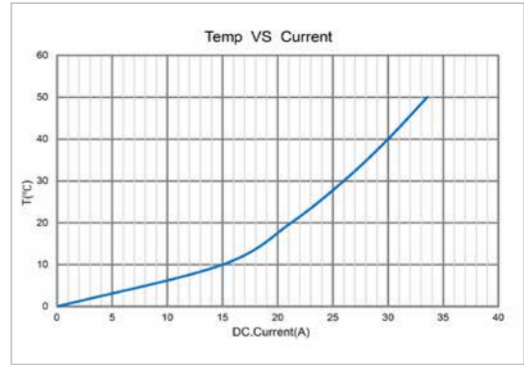
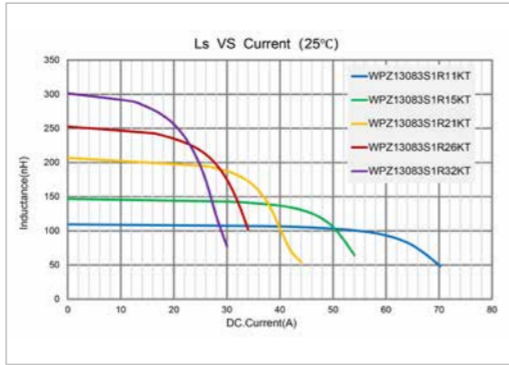
### WPZ12088S1 Series



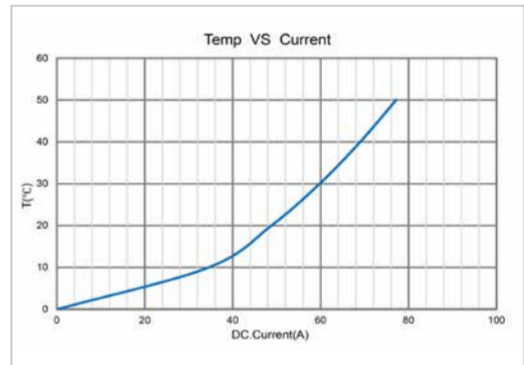
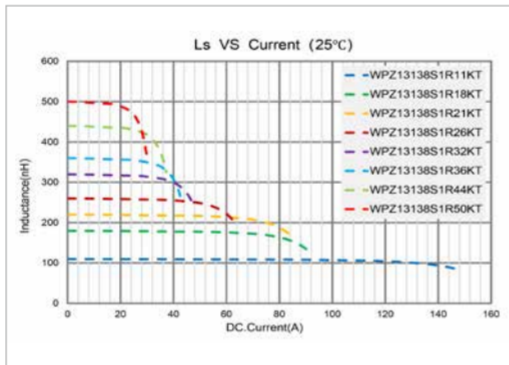
## 电气特性

Typical  
Electrical  
Characteristics

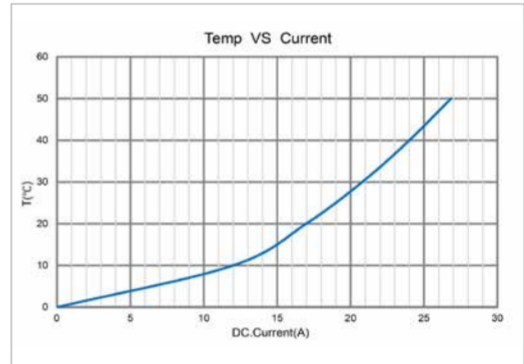
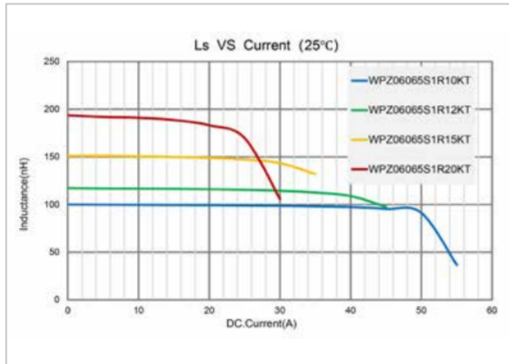
### WPZ13083S1 Series



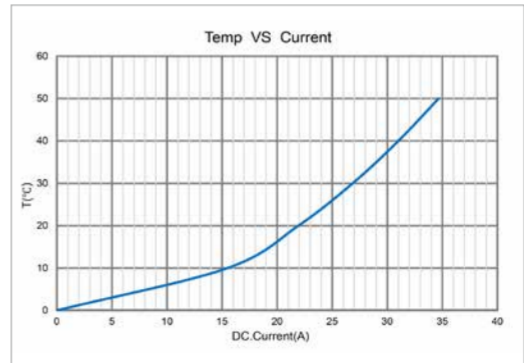
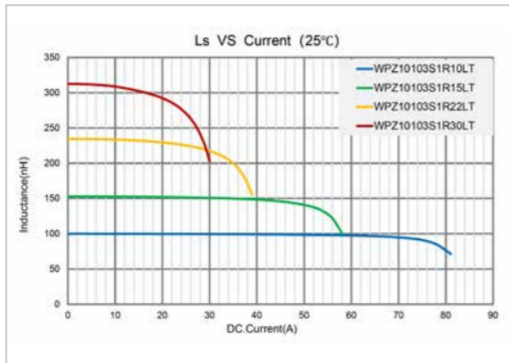
### WPZ13138S1 Series



### WPZ06065S1 Series



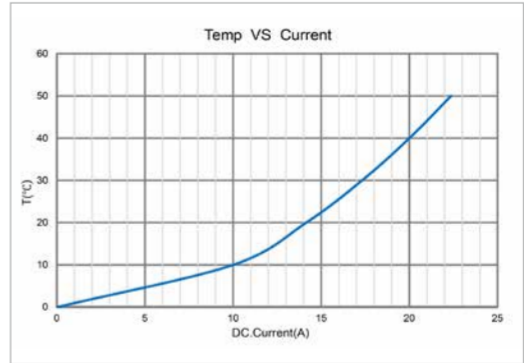
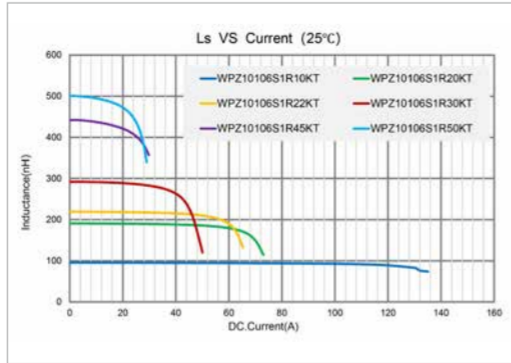
### WPZ10103S1 Series



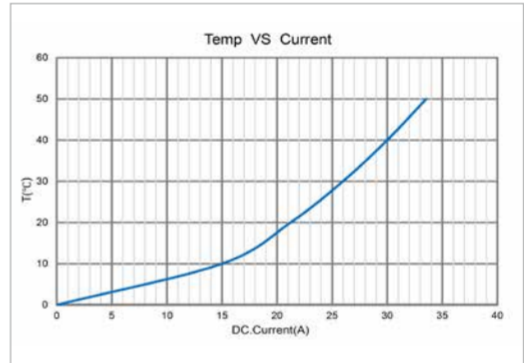
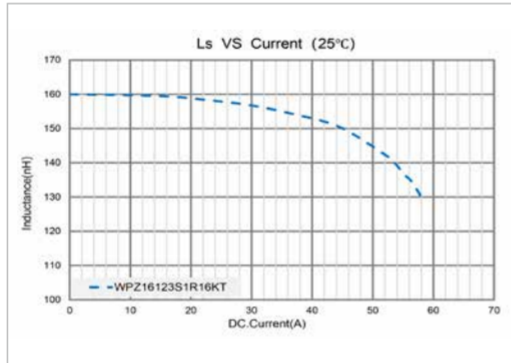
## 电气特性

Typical  
Electrical  
Characteristics

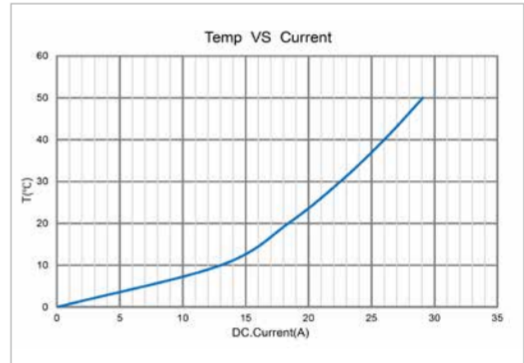
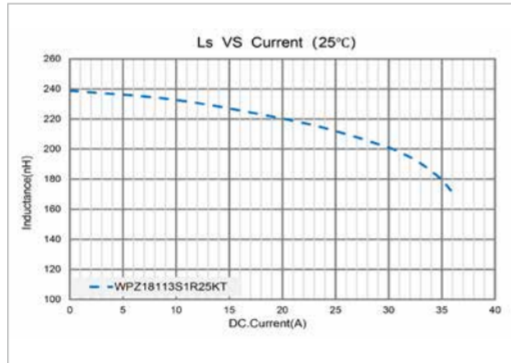
### WPZ10106S1 Series



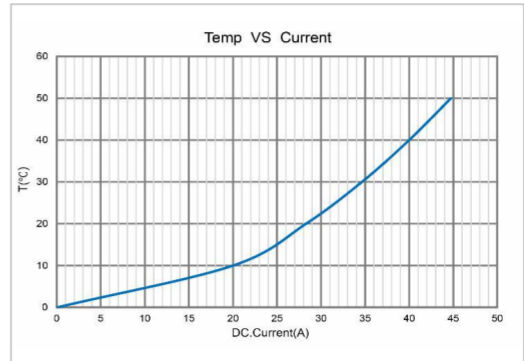
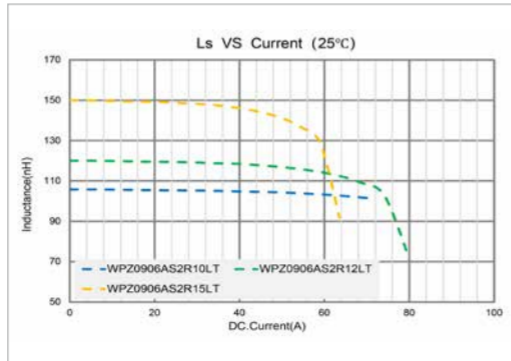
### WPZ16123S1 Series



### WPZ18113S1 Series



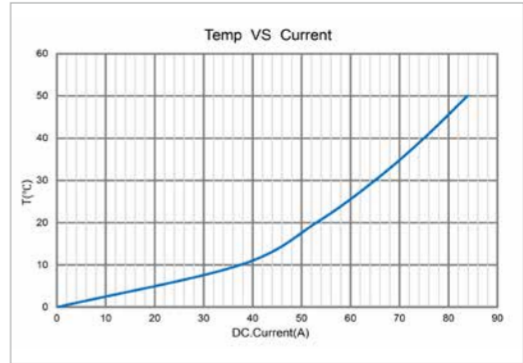
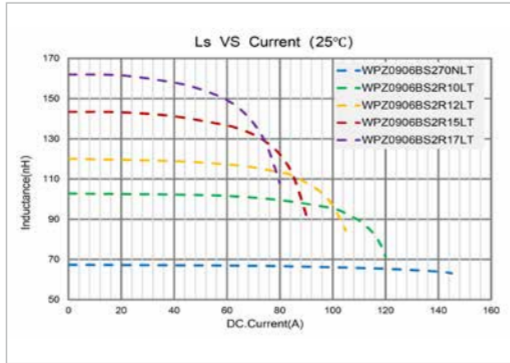
### WPZ0906AS2 Series



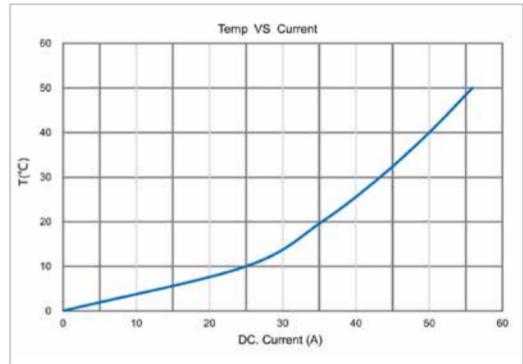
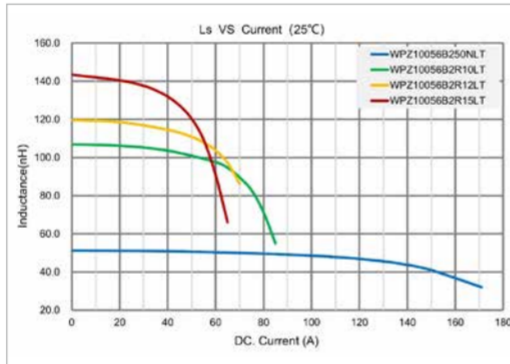
## 电气特性

Typical  
Electrical  
Characteristics

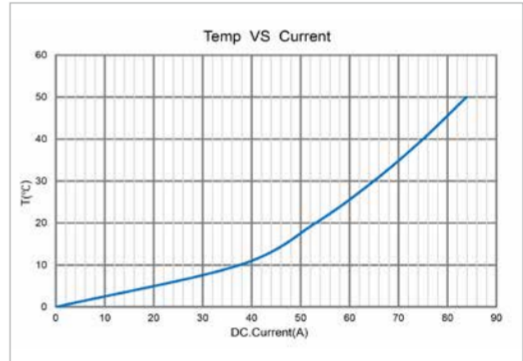
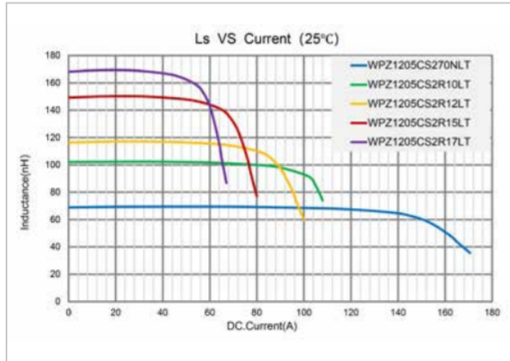
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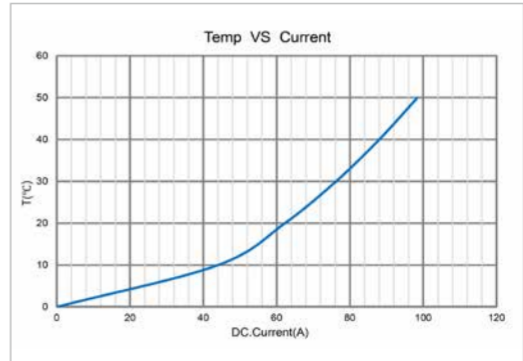
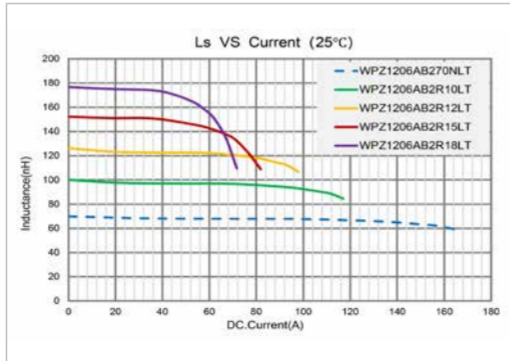
### WPZ10056B2 Series



### WPZ1205CS2 Series



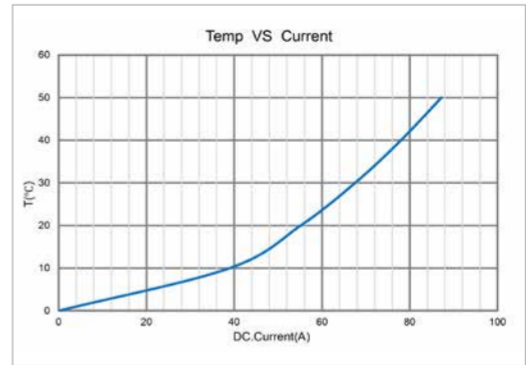
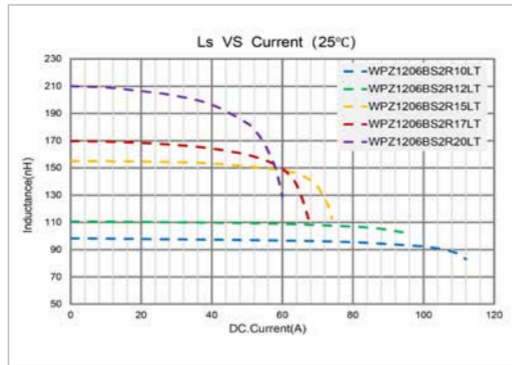
### WPZ1206AB2 Series



## 电气特性

Typical  
Electrical  
Characteristics

### WPZ1206BS2 Series



### WPZ1206CS2 Series

