



## P6KE SERIES

### 瞬变电压抑制二极管 Transient Voltage Suppressor Diodes

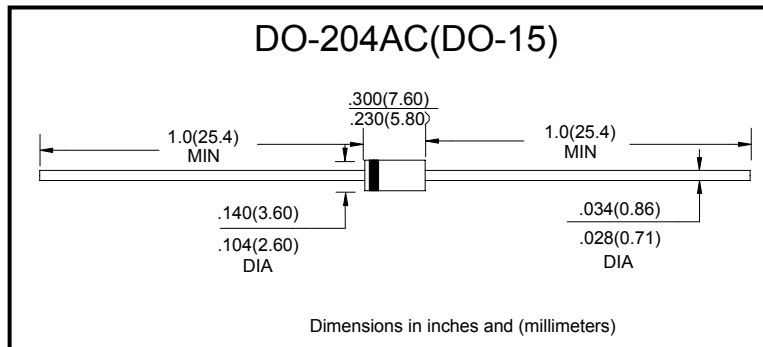
#### ■特征 Features

- $P_{PP}$  600W
- $V_{BR}$  6.8V-540V

#### ■用途 Applications

- 箝位电压用 Clamping Voltage

#### ■外形尺寸和印记 Outline Dimensions and Mark



#### ■极限值（绝对最大额定值）

##### Limiting Values (Absolute Maximum Rating)

| 参数名称<br>Item                                                    | 符号<br>Symbol | 单位<br>Unit | 条件<br>Conditions                                                    | 最大值<br>Max              |
|-----------------------------------------------------------------|--------------|------------|---------------------------------------------------------------------|-------------------------|
| 最大损耗功率<br>Peak power dissipation                                | PPPM         | W          | 在10/1000us 波形下测试<br>with a 10/1000us waveform                       | 600                     |
| 最大脉冲电流<br>Peak pulse current                                    | IPPM         | A          | 在10/1000us 波形下测试<br>with a 10/1000us waveform                       | 见下面表格<br>See Next Table |
| 功率损耗<br>Power dissipation                                       | PD           | W          | 无限散热片@ TL=75℃<br>on infinite heat sink at TL=75℃                    | 5                       |
| 最大正向浪涌电流<br>Peak forward surge current                          | IFSM         | A          | 8.3ms正弦半波, 仅单向型<br>8.3 ms single half sine-wave unidirectional only | 100                     |
| 工作结温和存储温度范围<br>Operating junction and storage temperature range | TJ,TSTG      | ℃          |                                                                     | -55 to +175             |

#### ■电特性（ $T_a=25^\circ\text{C}$ 除非另有规定）

##### Electrical Characteristics ( $T_a=25^\circ\text{C}$ Unless otherwise specified)

| 参数名称<br>Item                                              | 符号<br>Symbol    | 单位<br>Unit | 条件<br>Conditions                                | 最大值<br>Max |
|-----------------------------------------------------------|-----------------|------------|-------------------------------------------------|------------|
| 最大瞬间正向电压 (1)<br>Maximum instantaneous forward Voltage (1) | VF              | V          | 在25A下测试, 仅单向型<br>at 25A for unidirectional only | 3.5/5.0    |
| 典型热阻<br>Thermal resistance                                | $R_{\theta JL}$ | ℃/W        | 结到引线<br>junction to lead                        | 20         |
|                                                           | $R_{\theta JA}$ | ℃/W        | 结到环境<br>junction to ambient                     | 75         |

#### 备注: Notes:

1. VF=3.5V适用于P6KE220(A)及其以下型号; VF=5.0V适用于P6KE250(A)及其以上型号

VF = 3.5 V for P6KE220(A) and below; VF = 5.0 V for P6KE250(A) and above

■ 电性参数 (TA=25℃ 除非另有规定)

Electrical Characteristics (TA=25℃ unless otherwise noted)

| 产品型号<br>(单向)<br>Part<br>Number(U<br>ni) | 产品型号<br>(双向)<br>Part<br>Number(Bi) | 击穿电压 $V_{BR}@I_T$<br>Breakdown Voltage $V_{BR}@I_T$ |               |                | 最大反向漏电流 $I_R$<br>Maximum<br>Reverse<br>Leakage $I_R @$<br>$V_{WM} (\mu A)$ | 最大工作电压<br>$V_{RWM}$<br>Working Peak<br>Reverse<br>Voltage<br>$V_{RWM} (V)$ | 最大反向浪涌<br>电流 IPP<br>Maximum<br>Reverse Surge<br>Current IPP<br>(A) | 最大箝位电压<br>Maximum<br>Clamping<br>Voltage Vc<br>@ IPP<br>(V) | 最大温度系数<br>Maximum<br>Temperature<br>Coefficient of $V_{BR}$<br>(%/℃) |
|-----------------------------------------|------------------------------------|-----------------------------------------------------|---------------|----------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------------|
|                                         |                                    | 最小<br>Min(V)                                        | 最大<br>Max (V) | 测试电流<br>IT(mA) |                                                                            |                                                                            |                                                                    |                                                             |                                                                      |
| P6KE6.8                                 | P6KE6.8C                           | 6.12                                                | 7.48          | 10             | 1000                                                                       | 5.50                                                                       | 55.6                                                               | 10.8                                                        | 0.057                                                                |
| P6KE6.8A                                | P6KE6.8CA                          | 6.45                                                | 7.14          | 10             | 1000                                                                       | 5.80                                                                       | 57.1                                                               | 10.5                                                        | 0.057                                                                |
| P6KE7.5                                 | P6KE7.5C                           | 6.75                                                | 8.25          | 10             | 500                                                                        | 6.05                                                                       | 51.3                                                               | 11.7                                                        | 0.061                                                                |
| P6KE7.5A                                | P6KE7.5CA                          | 7.13                                                | 7.88          | 10             | 500                                                                        | 6.40                                                                       | 53.1                                                               | 11.3                                                        | 0.061                                                                |
| P6KE8.2                                 | P6KE8.2C                           | 7.38                                                | 9.02          | 10             | 200                                                                        | 6.63                                                                       | 48.0                                                               | 12.5                                                        | 0.065                                                                |
| P6KE8.2A                                | P6KE8.2CA                          | 7.79                                                | 8.61          | 10             | 200                                                                        | 7.02                                                                       | 49.6                                                               | 12.1                                                        | 0.065                                                                |
| P6KE9.1                                 | P6KE9.1C                           | 8.19                                                | 10.0          | 1.0            | 50                                                                         | 7.37                                                                       | 43.5                                                               | 13.8                                                        | 0.068                                                                |
| P6KE9.1A                                | P6KE9.1CA                          | 8.65                                                | 9.55          | 1.0            | 50                                                                         | 7.78                                                                       | 44.8                                                               | 13.4                                                        | 0.068                                                                |
| P6KE10                                  | P6KE10C                            | 9.00                                                | 11.0          | 1.0            | 10                                                                         | 8.10                                                                       | 40.0                                                               | 15.0                                                        | 0.073                                                                |
| P6KE10A                                 | P6KE10CA                           | 9.50                                                | 10.5          | 1.0            | 10                                                                         | 8.55                                                                       | 41.4                                                               | 14.5                                                        | 0.073                                                                |
| P6KE11                                  | P6KE11C                            | 9.90                                                | 12.1          | 1.0            | 5.0                                                                        | 8.92                                                                       | 37.0                                                               | 16.2                                                        | 0.075                                                                |
| P6KE11A                                 | P6KE11CA                           | 10.5                                                | 11.6          | 1.0            | 5.0                                                                        | 9.40                                                                       | 38.5                                                               | 15.6                                                        | 0.075                                                                |
| P6KE12                                  | P6KE12C                            | 10.8                                                | 13.2          | 1.0            | 5.0                                                                        | 9.72                                                                       | 34.7                                                               | 17.3                                                        | 0.078                                                                |
| P6KE12A                                 | P6KE12CA                           | 11.4                                                | 12.6          | 1.0            | 5.0                                                                        | 10.2                                                                       | 35.9                                                               | 16.7                                                        | 0.078                                                                |
| P6KE13                                  | P6KE13C                            | 11.7                                                | 14.3          | 1.0            | 5.0                                                                        | 10.5                                                                       | 31.6                                                               | 19.0                                                        | 0.081                                                                |
| P6KE13A                                 | P6KE13CA                           | 12.4                                                | 13.7          | 1.0            | 5.0                                                                        | 11.1                                                                       | 33.0                                                               | 18.2                                                        | 0.081                                                                |
| P6KE15                                  | P6KE15C                            | 13.5                                                | 16.5          | 1.0            | 1.0                                                                        | 12.1                                                                       | 27.3                                                               | 22.0                                                        | 0.084                                                                |
| P6KE15A                                 | P6KE15CA                           | 14.3                                                | 15.8          | 1.0            | 1.0                                                                        | 12.8                                                                       | 28.3                                                               | 21.2                                                        | 0.084                                                                |
| P6KE16                                  | P6KE16C                            | 14.4                                                | 17.6          | 1.0            | 1.0                                                                        | 12.9                                                                       | 25.5                                                               | 23.5                                                        | 0.086                                                                |
| P6KE16A                                 | P6KE16CA                           | 15.2                                                | 16.8          | 1.0            | 1.0                                                                        | 13.6                                                                       | 26.7                                                               | 22.5                                                        | 0.086                                                                |
| P6KE18                                  | P6KE18C                            | 16.2                                                | 19.8          | 1.0            | 1.0                                                                        | 14.5                                                                       | 22.6                                                               | 26.5                                                        | 0.088                                                                |
| P6KE18A                                 | P6KE18CA                           | 17.1                                                | 18.9          | 1.0            | 1.0                                                                        | 15.3                                                                       | 23.8                                                               | 25.2                                                        | 0.088                                                                |
| P6KE20                                  | P6KE20C                            | 18.0                                                | 22.0          | 1.0            | 1.0                                                                        | 16.2                                                                       | 20.6                                                               | 29.1                                                        | 0.090                                                                |
| P6KE20A                                 | P6KE20CA                           | 19.0                                                | 21.0          | 1.0            | 1.0                                                                        | 17.1                                                                       | 21.7                                                               | 27.7                                                        | 0.090                                                                |
| P6KE22                                  | P6KE22C                            | 19.8                                                | 24.2          | 1.0            | 1.0                                                                        | 17.8                                                                       | 18.8                                                               | 31.9                                                        | 0.092                                                                |
| P6KE22A                                 | P6KE22CA                           | 20.9                                                | 23.1          | 1.0            | 1.0                                                                        | 18.8                                                                       | 19.6                                                               | 30.6                                                        | 0.092                                                                |
| P6KE24                                  | P6KE24C                            | 21.6                                                | 26.4          | 1.0            | 1.0                                                                        | 19.4                                                                       | 17.3                                                               | 34.7                                                        | 0.094                                                                |
| P6KE24A                                 | P6KE24CA                           | 22.8                                                | 25.2          | 1.0            | 1.0                                                                        | 20.5                                                                       | 18.1                                                               | 33.2                                                        | 0.094                                                                |
| P6KE27                                  | P6KE27C                            | 24.3                                                | 29.7          | 1.0            | 1.0                                                                        | 21.8                                                                       | 15.3                                                               | 39.1                                                        | 0.096                                                                |
| P6KE27A                                 | P6KE27CA                           | 25.7                                                | 28.4          | 1.0            | 1.0                                                                        | 23.1                                                                       | 16.0                                                               | 37.5                                                        | 0.096                                                                |
| P6KE30                                  | P6KE30C                            | 27.0                                                | 33.0          | 1.0            | 1.0                                                                        | 24.3                                                                       | 13.8                                                               | 43.5                                                        | 0.097                                                                |
| P6KE30A                                 | P6KE30CA                           | 28.5                                                | 31.5          | 1.0            | 1.0                                                                        | 25.6                                                                       | 14.5                                                               | 41.4                                                        | 0.097                                                                |
| P6KE33                                  | P6KE33C                            | 29.7                                                | 36.3          | 1.0            | 1.0                                                                        | 26.8                                                                       | 12.6                                                               | 47.7                                                        | 0.098                                                                |
| P6KE33A                                 | P6KE33CA                           | 31.4                                                | 34.7          | 1.0            | 1.0                                                                        | 28.2                                                                       | 13.1                                                               | 45.7                                                        | 0.098                                                                |
| P6KE36                                  | P6KE36C                            | 32.4                                                | 39.6          | 1.0            | 1.0                                                                        | 29.1                                                                       | 11.5                                                               | 52.0                                                        | 0.099                                                                |
| P6KE36A                                 | P6KE36CA                           | 34.2                                                | 37.8          | 1.0            | 1.0                                                                        | 30.8                                                                       | 12.0                                                               | 49.9                                                        | 0.099                                                                |



## ■电性参数 (TA=25℃ 除非另有规定)

### Electrical Characteristics (TA=25℃ unless otherwise noted)

| 产品型号<br>(单向)<br>Part<br>Number(Uni) | 产品型号<br>(双向)<br>Part<br>Number(Bi) | 击穿电压 $V_{BR}@I_T$<br>Breakdown Voltage $V_{BR}@I_T$ |               |                    | 最大反向漏电流 $I_R$<br>Maximum<br>Reverse<br>Leakage $I_R@$<br>$V_{WM}(\mu A)$ | 最大工作电压<br>$V_{RWM}$<br>Working Peak<br>Reverse<br>Voltage<br>$V_{RWM}(V)$ | 最大反向浪涌<br>电流 IPP<br>Maximum<br>Reverse Surge<br>Current IPP<br>(A) | 最大箝位电压<br>Maximum<br>Clamping<br>Voltage Vc<br>@ IPP<br>(V) | 最大温度系数<br>Maximum<br>Temperature<br>Coefficient of $V_{BR}$<br>(%/°C) |
|-------------------------------------|------------------------------------|-----------------------------------------------------|---------------|--------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------------------|
|                                     |                                    | 最小<br>Min(V)                                        | 最大<br>Max (V) | 测试电<br>流<br>IT(mA) |                                                                          |                                                                           |                                                                    |                                                             |                                                                       |
| P6KE39                              | P6KE39C                            | 35.1                                                | 42.9          | 1.0                | 1.0                                                                      | 31.6                                                                      | 10.6                                                               | 56.4                                                        | 0.100                                                                 |
| P6KE39A                             | P6KE39CA                           | 37.1                                                | 41.0          | 1.0                | 1.0                                                                      | 33.3                                                                      | 11.1                                                               | 53.9                                                        | 0.100                                                                 |
| P6KE43                              | P6KE43C                            | 38.7                                                | 47.3          | 1.0                | 1.0                                                                      | 34.8                                                                      | 9.7                                                                | 61.9                                                        | 0.101                                                                 |
| P6KE43A                             | P6KE43CA                           | 40.9                                                | 45.2          | 1.0                | 1.0                                                                      | 36.8                                                                      | 10.1                                                               | 59.3                                                        | 0.101                                                                 |
| P6KE47                              | P6KE47C                            | 42.3                                                | 51.7          | 1.0                | 1.0                                                                      | 38.1                                                                      | 8.8                                                                | 67.8                                                        | 0.101                                                                 |
| P6KE47A                             | P6KE47CA                           | 44.7                                                | 49.4          | 1.0                | 1.0                                                                      | 40.2                                                                      | 9.3                                                                | 64.8                                                        | 0.101                                                                 |
| P6KE51                              | P6KE51C                            | 45.9                                                | 56.1          | 1.0                | 1.0                                                                      | 41.3                                                                      | 8.2                                                                | 73.5                                                        | 0.102                                                                 |
| P6KE51A                             | P6KE51CA                           | 48.5                                                | 53.6          | 1.0                | 1.0                                                                      | 43.6                                                                      | 8.6                                                                | 70.1                                                        | 0.102                                                                 |
| P6KE56                              | P6KE56C                            | 50.4                                                | 61.6          | 1.0                | 1.0                                                                      | 45.4                                                                      | 7.5                                                                | 80.5                                                        | 0.103                                                                 |
| P6KE56A                             | P6KE56CA                           | 53.2                                                | 58.8          | 1.0                | 1.0                                                                      | 47.8                                                                      | 7.8                                                                | 77.0                                                        | 0.103                                                                 |
| P6KE62                              | P6KE62C                            | 55.8                                                | 68.2          | 1.0                | 1.0                                                                      | 50.2                                                                      | 6.7                                                                | 89.0                                                        | 0.104                                                                 |
| P6KE62A                             | P6KE62CA                           | 58.9                                                | 65.1          | 1.0                | 1.0                                                                      | 53.0                                                                      | 7.1                                                                | 85.0                                                        | 0.104                                                                 |
| P6KE68                              | P6KE68C                            | 61.2                                                | 74.8          | 1.0                | 1.0                                                                      | 55.1                                                                      | 6.1                                                                | 98.0                                                        | 0.104                                                                 |
| P6KE68A                             | P6KE68CA                           | 64.6                                                | 71.4          | 1.0                | 1.0                                                                      | 58.1                                                                      | 6.5                                                                | 92.0                                                        | 0.104                                                                 |
| P6KE75                              | P6KE75C                            | 67.5                                                | 82.5          | 1.0                | 1.0                                                                      | 60.7                                                                      | 5.6                                                                | 108                                                         | 0.105                                                                 |
| P6KE75A                             | P6KE75CA                           | 71.3                                                | 78.8          | 1.0                | 1.0                                                                      | 64.1                                                                      | 5.8                                                                | 103                                                         | 0.105                                                                 |
| P6KE82                              | P6KE82C                            | 73.8                                                | 90.2          | 1.0                | 1.0                                                                      | 66.4                                                                      | 5.1                                                                | 118                                                         | 0.105                                                                 |
| P6KE82A                             | P6KE82CA                           | 77.9                                                | 86.1          | 1.0                | 1.0                                                                      | 70.1                                                                      | 5.3                                                                | 113                                                         | 0.105                                                                 |
| P6KE91                              | P6KE91C                            | 81.9                                                | 100           | 1.0                | 1.0                                                                      | 73.7                                                                      | 4.6                                                                | 131                                                         | 0.106                                                                 |
| P6KE91A                             | P6KE91CA                           | 86.5                                                | 95.5          | 1.0                | 1.0                                                                      | 77.8                                                                      | 4.8                                                                | 125                                                         | 0.106                                                                 |
| P6KE100                             | P6KE100C                           | 90.0                                                | 110           | 1.0                | 1.0                                                                      | 81.0                                                                      | 4.2                                                                | 144                                                         | 0.106                                                                 |
| P6KE100A                            | P6KE100CA                          | 95.0                                                | 105           | 1.0                | 1.0                                                                      | 85.5                                                                      | 4.4                                                                | 137                                                         | 0.106                                                                 |
| P6KE110                             | P6KE110C                           | 99.0                                                | 121           | 1.0                | 1.0                                                                      | 89.2                                                                      | 3.8                                                                | 158                                                         | 0.107                                                                 |
| P6KE110A                            | P6KE110CA                          | 105                                                 | 116           | 1.0                | 1.0                                                                      | 94.0                                                                      | 3.9                                                                | 152                                                         | 0.107                                                                 |
| P6KE120                             | P6KE120C                           | 108                                                 | 132           | 1.0                | 1.0                                                                      | 97.2                                                                      | 3.5                                                                | 173                                                         | 0.107                                                                 |
| P6KE120A                            | P6KE120CA                          | 114                                                 | 126           | 1.0                | 1.0                                                                      | 102                                                                       | 3.6                                                                | 165                                                         | 0.107                                                                 |
| P6KE130                             | P6KE130C                           | 117                                                 | 143           | 1.0                | 1.0                                                                      | 105                                                                       | 3.2                                                                | 187                                                         | 0.107                                                                 |
| P6KE130                             | P6KE130CA                          | 124                                                 | 137           | 1.0                | 1.0                                                                      | 111                                                                       | 3.4                                                                | 179                                                         | 0.107                                                                 |
| P6KE150                             | P6KE150C                           | 135                                                 | 165           | 1.0                | 1.0                                                                      | 121                                                                       | 2.8                                                                | 215                                                         | 0.108                                                                 |
| P6KE150A                            | P6KE150CA                          | 143                                                 | 158           | 1.0                | 1.0                                                                      | 128                                                                       | 2.9                                                                | 207                                                         | 0.108                                                                 |
| P6KE160                             | P6KE160C                           | 144                                                 | 176           | 1.0                | 1.0                                                                      | 130                                                                       | 2.6                                                                | 230                                                         | 0.108                                                                 |
| P6KE160A                            | P6KE160CA                          | 152                                                 | 168           | 1.0                | 1.0                                                                      | 136                                                                       | 2.7                                                                | 219                                                         | 0.108                                                                 |
| P6KE170                             | P6KE170C                           | 153                                                 | 187           | 1.0                | 1.0                                                                      | 138                                                                       | 2.5                                                                | 244                                                         | 0.108                                                                 |
| P6KE170A                            | P6KE170CA                          | 162                                                 | 179           | 1.0                | 1.0                                                                      | 145                                                                       | 2.6                                                                | 234                                                         | 0.108                                                                 |
| P6KE180                             | P6KE180C                           | 162                                                 | 198           | 1.0                | 1.0                                                                      | 146                                                                       | 2.3                                                                | 258                                                         | 0.108                                                                 |
| P6KE180A                            | P6KE180CA                          | 171                                                 | 189           | 1.0                | 1.0                                                                      | 154                                                                       | 2.4                                                                | 246                                                         | 0.108                                                                 |

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Electrical Characteristics (TA=25℃ unless otherwise noted)

| 产品型号<br>(单向)<br>Part<br>Number(Uni) | 产品型号<br>(双向)<br>Part<br>Number(Bi) | 击穿电压 $V_{BR}@I_T$<br>Breakdown Voltage $V_{BR}@I_T$ |               |                    | 最大反向漏电流 $I_R$<br>Maximum<br>Reverse<br>Leakage $I_R$ @<br>$V_{WM}$ ( $\mu$ A) | 最大工作电压<br>$V_{RWM}$<br>Working Peak<br>Reverse<br>Voltage<br>$V_{RWM}$ (V) | 最大反向浪涌<br>电流 IPP<br>Maximum<br>Reverse Surge<br>Current IPP<br>(A) | 最大箝位电压<br>Maximum<br>Clamping<br>Voltage Vc<br>@ IPP<br>(V) | 最大温度系数<br>Maximum<br>Temperature<br>Coefficient of $V_{BR}$<br>(%/℃) |
|-------------------------------------|------------------------------------|-----------------------------------------------------|---------------|--------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------------|
|                                     |                                    | 最小<br>Min(V)                                        | 最大<br>Max (V) | 测试电<br>流<br>IT(mA) |                                                                               |                                                                            |                                                                    |                                                             |                                                                      |
| P6KE200                             | P6KE200C                           | 180                                                 | 220           | 1.0                | 1.0                                                                           | 162                                                                        | 2.1                                                                | 287                                                         | 0.108                                                                |
| P6KE200A                            | P6KE200CA                          | 190                                                 | 210           | 1.0                | 1.0                                                                           | 171                                                                        | 2.2                                                                | 274                                                         | 0.108                                                                |
| P6KE220                             | P6KE220C                           | 198                                                 | 242           | 1.0                | 1.0                                                                           | 175                                                                        | 1.7                                                                | 344                                                         | 0.108                                                                |
| P6KE220A                            | P6KE220CA                          | 209                                                 | 231           | 1.0                | 1.0                                                                           | 185                                                                        | 1.8                                                                | 328                                                         | 0.108                                                                |
| P6KE250                             | P6KE250C                           | 225                                                 | 275           | 1.0                | 1.0                                                                           | 202                                                                        | 1.7                                                                | 360                                                         | 0.110                                                                |
| P6KE250A                            | P6KE250CA                          | 237                                                 | 263           | 1.0                | 1.0                                                                           | 214                                                                        | 1.7                                                                | 344                                                         | 0.110                                                                |
| P6KE300                             | P6KE300C                           | 270                                                 | 330           | 1.0                | 1.0                                                                           | 243                                                                        | 1.4                                                                | 430                                                         | 0.110                                                                |
| P6KE300A                            | P6KE300CA                          | 285                                                 | 315           | 1.0                | 1.0                                                                           | 256                                                                        | 1.4                                                                | 414                                                         | 0.110                                                                |
| P6KE350                             | P6KE350C                           | 315                                                 | 385           | 1.0                | 1.0                                                                           | 284                                                                        | 1.2                                                                | 504                                                         | 0.110                                                                |
| P6KE350A                            | P6KE350CA                          | 333                                                 | 368           | 1.0                | 1.0                                                                           | 300                                                                        | 1.2                                                                | 482                                                         | 0.110                                                                |
| P6KE400                             | P6KE400C                           | 360                                                 | 440           | 1.0                | 1.0                                                                           | 324                                                                        | 1.0                                                                | 574                                                         | 0.110                                                                |
| P6KE400A                            | P6KE400CA                          | 380                                                 | 420           | 1.0                | 1.0                                                                           | 342                                                                        | 1.1                                                                | 548                                                         | 0.110                                                                |
| P6KE440                             | P6KE440C                           | 396                                                 | 484           | 1.0                | 1.0                                                                           | 356                                                                        | 0.95                                                               | 631                                                         | 0.110                                                                |
| P6KE440A                            | P6KE440CA                          | 418                                                 | 462           | 1.0                | 1.0                                                                           | 376                                                                        | 1.00                                                               | 602                                                         | 0.110                                                                |
| P6KE480                             | P6KE480C                           | 432                                                 | 528           | 1.0                | 1.0                                                                           | 389                                                                        | 0.88                                                               | 686                                                         | 0.110                                                                |
| P6KE480A                            | P6KE480CA                          | 456                                                 | 504           | 1.0                | 1.0                                                                           | 408                                                                        | 0.91                                                               | 658                                                         | 0.110                                                                |
| P6KE510                             | P6KE510C                           | 459                                                 | 561           | 1.0                | 1.0                                                                           | 413                                                                        | 0.82                                                               | 729                                                         | 0.110                                                                |
| P6KE510A                            | P6KE510CA                          | 485                                                 | 535           | 1.0                | 1.0                                                                           | 434                                                                        | 0.86                                                               | 698                                                         | 0.110                                                                |
| P6KE540                             | P6KE540C                           | 486                                                 | 594           | 1.0                | 1.0                                                                           | 437                                                                        | 0.78                                                               | 772                                                         | 0.110                                                                |
| P6KE540A                            | P6KE540CA                          | 513                                                 | 567           | 1.0                | 1.0                                                                           | 459                                                                        | 0.81                                                               | 740                                                         | 0.110                                                                |



## ■特性曲线（典型） Characteristics(Typical)

图1：最大脉冲功率曲线

FIG1: Peak Pulse Power Rating Curve

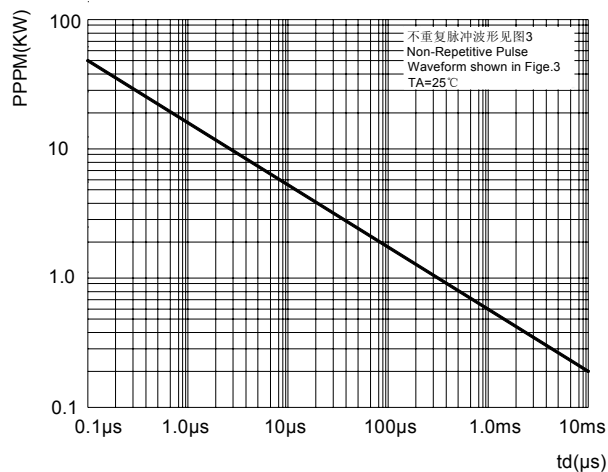


图2：脉冲功率或电流与结温关系

FIG2: Pulse Power or Current vs. Initial Junction Temperature

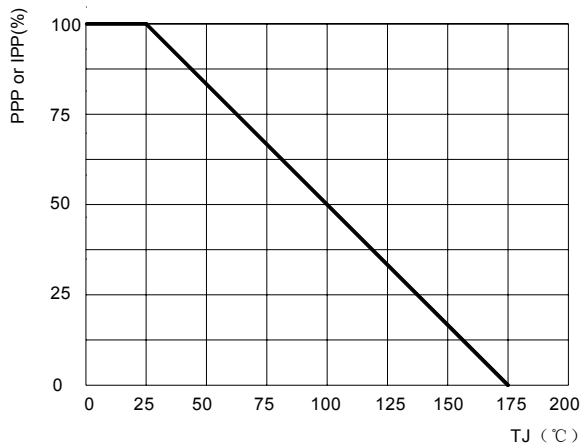


图3：脉冲波形

FIG3: Pulse Waveform

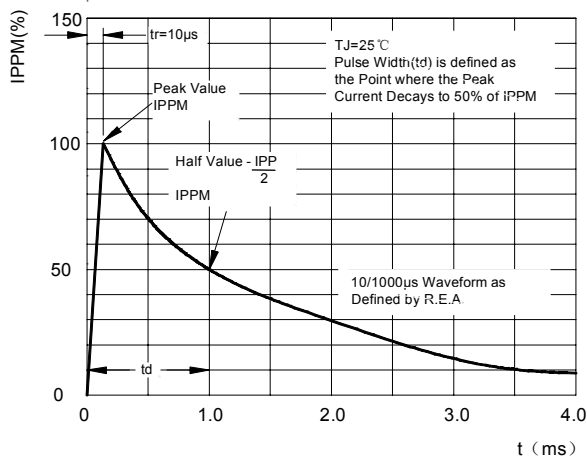


图4：功率降额曲线

FIG4: Power Derating Curve

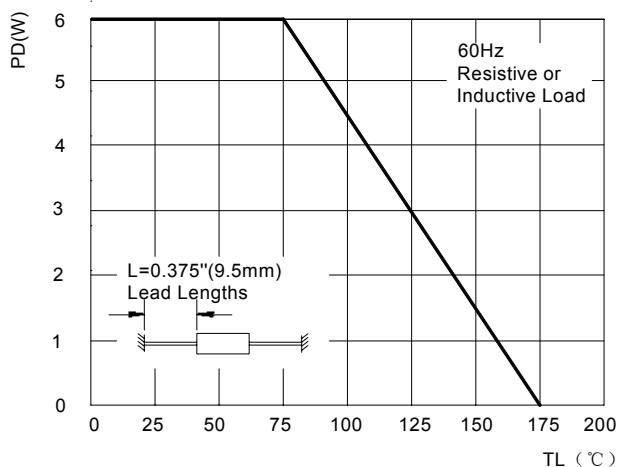


图5：最大不重复浪涌电流

FIG5: Maximum Non-Repetitive Surge Current

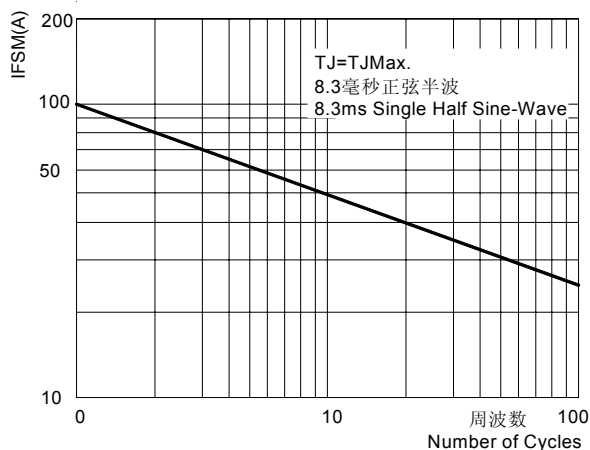


图6：典型瞬态热阻

FIG6: Typical Transient Thermal Impedance

