

### 特征 FEATURES

- .低成本. Low cost
- .正向压降低. Low forward voltage drop
- .低漏电. Low leakage current
- .高浪涌承受能力. High surge current capability
- .易拿易放. Easy pick and place

### 机械数据 MECHANICAL DATA

- .封装:铜材质 PF-2 封装. Case: Copper PF-2
- .端子:镀金端子,焊接按照 MIL-STD-202,方法 208.

Terminals: Plated terminals, solderable per MIL-STD-202, method 208.

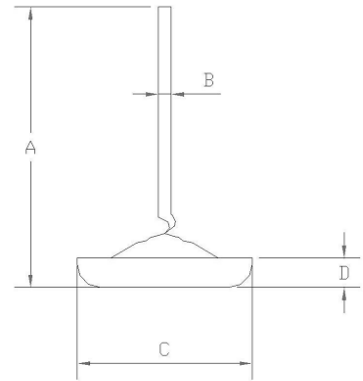
- .极性:红色代表阴极,黑色代表阳极引线.

Polarity :Red color denotes cathode

Black color denotes anode lead

- .重量 : 6.8克. Weight: 6.8grams

### PF-2



A=22.0-24.0mm    B=∅1.48-1.52mm  
C=∅8.2-8.7mm    D=2.10-2.30mm

Dimension in millimeters

**极限值和电参数** TA= 25°C除非另有规定. 单相,正半弦波,60HZ,阻抗或电感负载.为电容装载,减少电流的 20%

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C Ambient temp. Unless otherwise specified. Single phase, half sine wave, 60HZ, resistive or inductive load.

For capacitive load, derate current by 20%

|  | SYMBOL   | DR          |         |         |         |         |         |         | UNITS |
|--|----------|-------------|---------|---------|---------|---------|---------|---------|-------|
|  |          | 1602/3A     | 1602/3B | 1602/3C | 1602/3D | 1602/3E | 1602/3F | 1602/3G |       |
| 最大峰值反向电压<br>Maximum Peak Reverse Voltage   | VRRM     | 50          | 100     | 200     | 300     | 400     | 500     | 600     | Volts |
| 最大反向有效电压<br>Maximum RMS Voltage  | VRMS     | 35          | 70      | 140     | 210     | 280     | 350     | 420     | Volts |
| 最大直流阻断电压<br>Maximum DC Blocking Voltage  | VDC      | 50          | 100     | 200     | 300     | 400     | 500     | 600     | Volts |
| 最大正向平均整流电流 $T_L=125^\circ\text{C}$<br>Maximum Average Forward Rectified Current                                      | I(AV)    | 25          |         |         |         |         |         |         | Amps  |
| 正向峰值浪涌电流<br>Peak Forward Surge Current 8.3ms Single Sine-wave on Rated Load (JEDEC Method)                           | IFSM     | 300         |         |         |         |         |         |         | Amps  |
| 25A 直流电时最大正向瞬间电压降<br>Maximum Instantaneous Forward Voltage Drop at 25A DC  | VF       | 1.0         |         |         |         |         |         |         | Volts |
| 最大反向漏电流<br>Maximum DC Reverse Current $T_A=25^\circ\text{C}$<br>at Rated DC Blocking Voltage $T_A=100^\circ\text{C}$ | IR       | 5<br>500    |         |         |         |         |         |         | uA    |
| 典型结电容<br>Typical Junction Capacitance (NOTE 1)   | CJ       | 140         |         |         |         |         |         |         | pF    |
| 工作温度存储温度<br>Operating AND Storage Temperature Range  | TSTG/ Tj | -55 to +150 |         |         |         |         |         |         | °C    |

NOTE: 1.Measured at 1 MHz and Applied Reverse Voltage of 4.0 Volts D.C.

## RATING AND CHARACTERISTIC CURVES DR1602/3A THRU DR1602/3G

FIG. 1 – 最大正向平均电流降额  
FIG. 1 – MAXIMUM AVERAGE FORWARD CURRENT DERATING

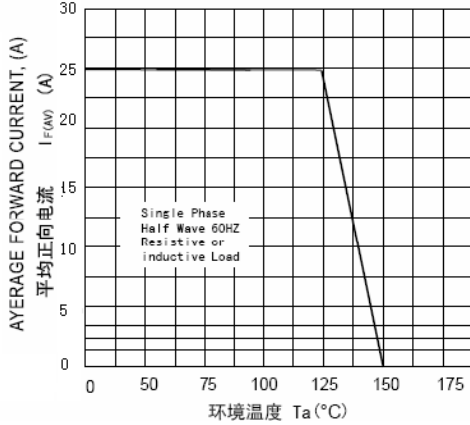


FIG. 2 – 最大非重复正向浪涌电流  
FIG. 2 – MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

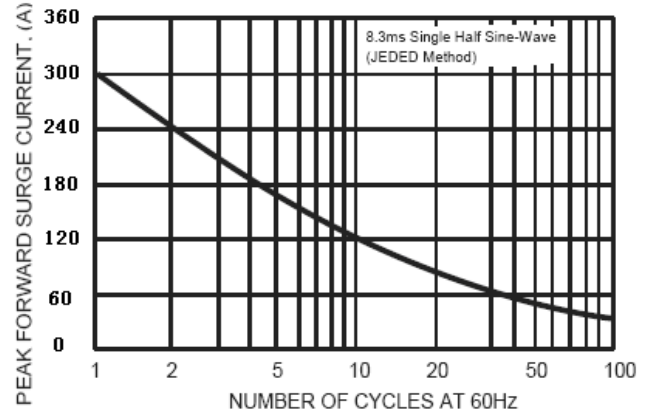


FIG. 3 – 反向特性曲线(典型)  
FIG. 3 – TYPICAL REVERSE CHARACTERISTICS

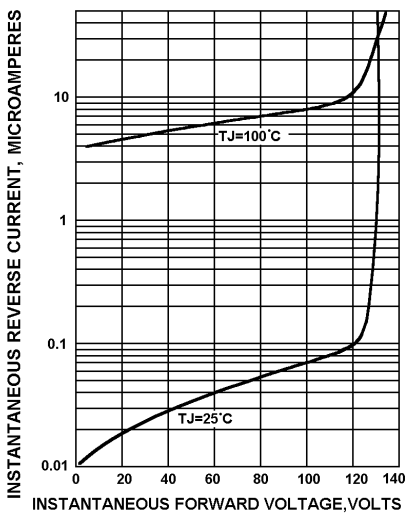


FIG. 4 – 正向特性曲线(典型)  
FIG. 4 – TYPICAL FORWARD CHARACTERISTICS

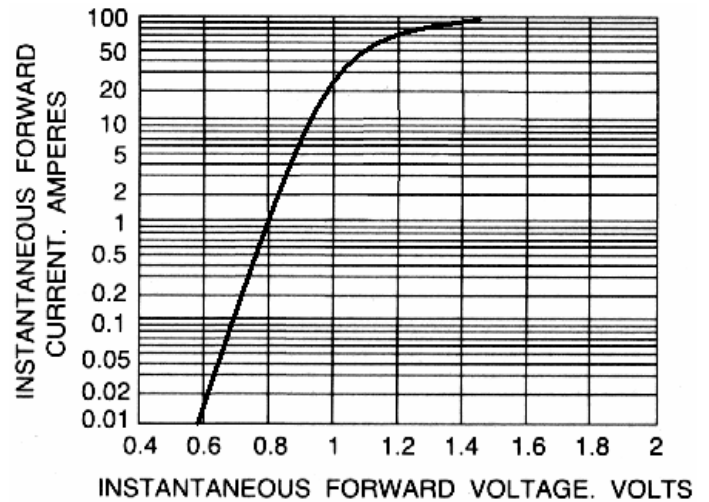


FIG. 5 – 结电容特性曲线  
FIG. 5 – TYPICAL JUNCTION CAPACITANCE

