

特征 FEATURES

- .大电流承受能力.High current capability
- .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

机械数据 MECHANICAL DATA

- .封装:铜材质 PF-4 封装.Case: Copper PF-4
- .端子:镀金端子,焊接按照 MIL-STD-202,方法 208.

Terminals: Plated terminals, solderable per

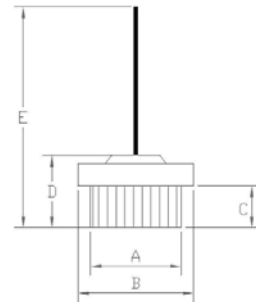
MIL-STD-202, method 208.

- 极性: 灌注红色环氧树脂 (端子为正/P 型)
- 灌注黑色环氧树脂 (端子为负/N 型)

Polarity : By RED Color Epoxy Potting. (Positive)

By BLACK Color Epoxy Potting. (Negative)

.重量 : 6.8克. Weight: 6.8grams

PF-4


$A = \varnothing 12.75 \pm 0.45 \text{mm}$ $B = \varnothing 15.8 \pm 0.2 \text{mm}$
 $C = 5.6 \pm 0.1 \text{mm}$ $D = 9.75 \pm 0.15 \text{mm}$
 $E = 30.0 \text{mm max}$

Dimension in millimeters

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

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

For capacitive load, derate current by 20%

| | SYMBOL | DPZ5024-4 | DPZ5028-4 | DPZ5040-4 | UNITS |
|--|----------|-------------|-----------|-----------|-------|
| 最大峰值反向电压 Maximum Current Peak Reverse Voltage | VRRM | 16 | 20 | 34 | Volts |
| 最大反向有效电压 Working Peak Reverse Voltage | VRWM | 16 | 20 | 34 | Volts |
| 最大直流阻断电压 Maximum DC Blocking Voltage | VDC | 16 | 20 | 34 | Volts |
| 崩溃电压最小值 Breakdown voltage Min@ IBR=100mA/TA=25℃ | VBRL | 20 | 24 | 38 | Volts |
| 崩溃电压最大值 Breakdown voltage Max@ IBR=100mA/TA=25℃ | VBRH | 24 | 32 | 42 | Volts |
| 最大正向平均整流电流 TL=125℃ Maximum Average Forward Rectified Current | I(AV) | 50 | | | Amps |
| 正向峰值浪涌电流 Peak Forward Surge Current 8.3ms Single Sine-wave on Rated Load (JEDEC Method) | IFSM | 500 | | | Amps |
| 35A 直流电时最大正向瞬间电压降 Maximum Instantaneous Forward Voltage Drop at 35A DC | VF | 1.0 | | | Volts |
| 最大反向漏电流 TA=25℃ Maximum DC Reverse Current at Rated DC Blocking Voltage | IR | 0.2 | | | uA |
| 正向电压温度系数 IF=10mA Forward Voltage Temperature Coefficient | VFTS | 2 | | | mV/℃ |
| 工作温度存储温度 Operating AND Storage Temperature Range | TSTG/ TJ | -55 to +150 | | | ℃ |

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

RATING AND CHARACTERISTIC CURVES DPZ5024-4 THRU DPZ5040-4

FIG. 1 –最大正向平均电流降额

FIG. 1 –MAXIMUM AVERAGE FORWARD CURRENT DERATING

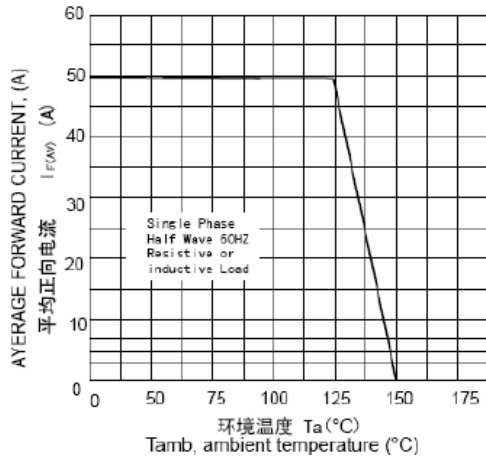


FIG. 3 –脉冲波形

FIG. 3 –PULSE WAVEFORM

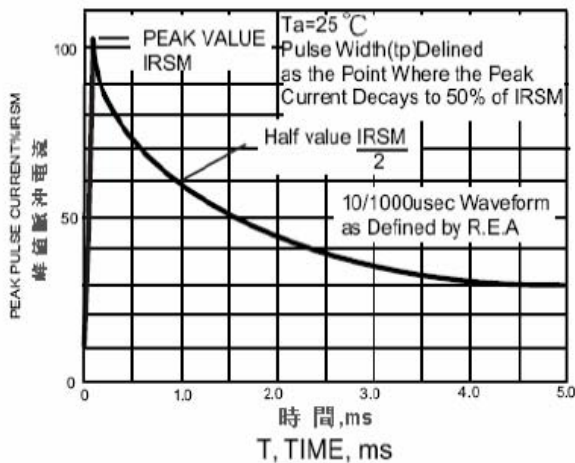


FIG. 5–脉冲额定曲线

FIG.5–PULSE RATING CURVE

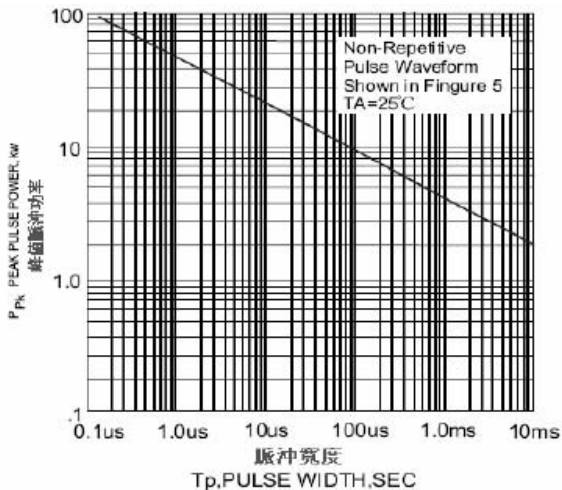


FIG. 2 –最大非重复正向浪涌电流

FIG. 2 –MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

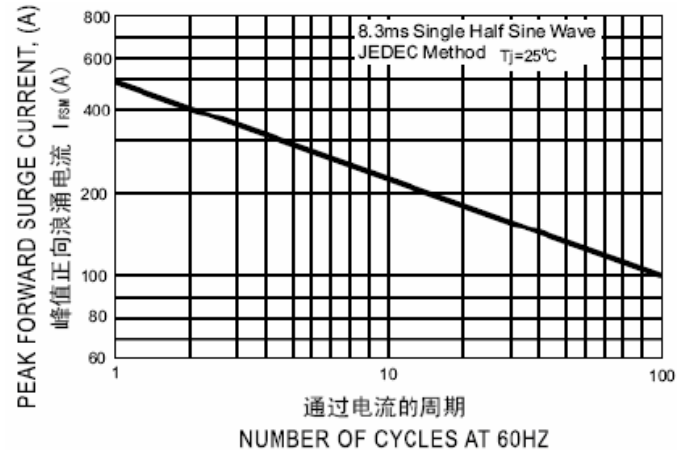


FIG. 4–正向特性曲线(典型)

FIG.4 –TYPICAL FORWARD CHARACTERISTICS

