

### 特征 FEATURES

- .大电流承受能力.High current capability
- .低成本.Low cost
- .扩散烧结. Diffused junction
- .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
- .高温焊接保证：250℃/10 秒.

High temperature soldering guaranteed:

250℃ for 10 seconds

### 机械数据 MECHANICAL DATA

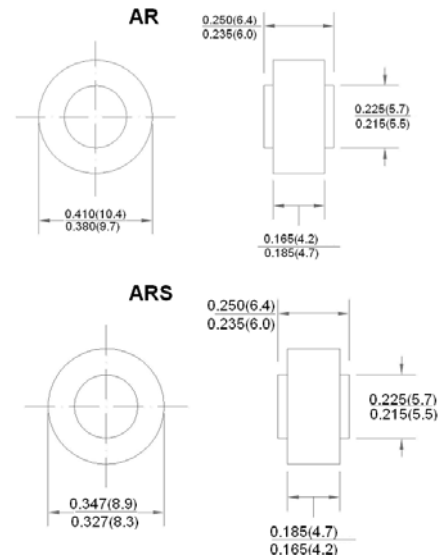
- .封装:模塑 AR/ARS 封装.Case: AR/ARS molded plastic
- .端子:镀锡端子，可焊接性符合 MIL-STD-750,方法 2026.

Terminals: Solder plated, solderable per MIL-STD-750 Method 2026

- .极性:用阴极色带表示. Polarity : indicated by cathode band

.安装位置: 任意.Mounting Position: Any

.重量: 1.8 克. Weight: 1.8 grams (0.07ounce)



Dimension in inches(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.为电容装载,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   | ARZ/ARSZ    |      |      | UNITS |
|--|----------|-------------|------|------|-------|
|  |          | 3524        | 3528 | 3540 |       |
| 最大峰值反向电压<br>Maximum Current Peak Reverse Voltage   | VRRM     | 16          | 20   | 28   | Volts |
| 最大反向有效电压<br>Working Peak Reverse Voltage   | VRWM     | 16          | 20   | 28   | Volts |
| 最大直流阻断电压<br>Maximum DC Blocking Voltage  | VDC      | 16          | 20   | 28   | Volts |
| 崩溃电压最小值<br>Breakdown voltage Min@ IBR=100mA/TA=25℃   | VBRL     | 20          | 24   | 38   | Volts |
| 崩溃电压最大值<br>Breakdown voltage Max@ IBR=100mA/TA=25℃   | VBRH     | 26          | 32   | 42   | Volts |
| 最大正向平均整流电流 TL=125℃<br>Maximum Average Forward Rectified Current                            | I(AV)    | 35          |      |      | 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     | 400         |      |      | Amps  |
| 35A 直流电时最大正向瞬间电压降<br>Maximum Instantaneous Forward Voltage Drop at 35A DC                  | VF       | 1.0         |      |      | Volts |
| 最大反向漏电流 TA=25℃<br>Maximum DC Reverse Current at Rated DC Blocking Voltage                  | IR       | 0.2         |      |      | uA    |
| 正向电压温度系数 IF=10mA<br>Forward Voltage Temperature Coefficient                                | VFTS     | 2           |      |      | mV/℃  |
| 工作温度存储温度<br>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 ARZ/ARSZ3524G THRU ARZ/ARSZ 3540G

FIG. 1 –最大正向平均电流降额

FIG. 1 –MAXIMUM AVERAGE FORWARD CURRENT DERATING

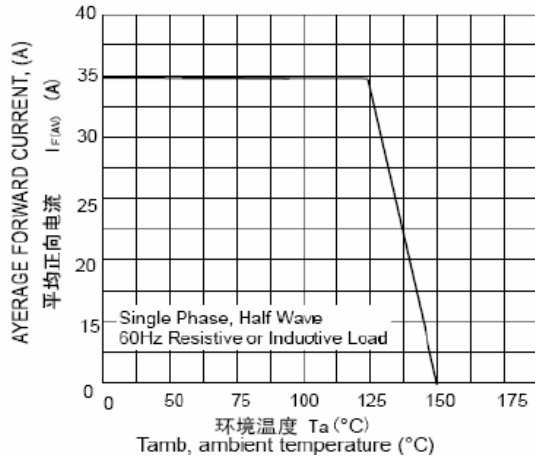


FIG. 3 –脉冲波形

FIG. 3 – PULSE WAVEFORM

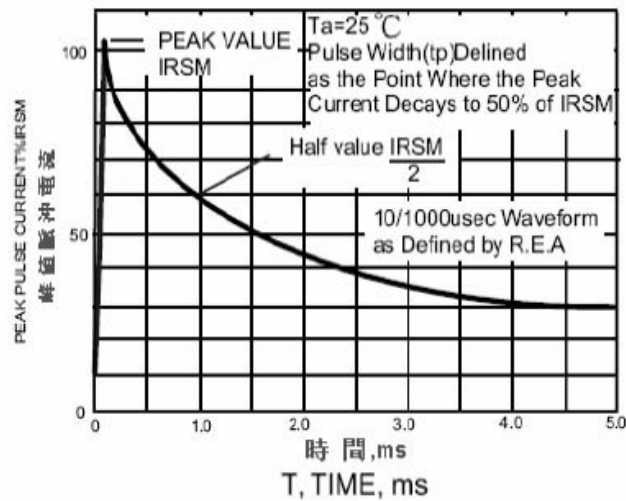


FIG.5–脉冲额定曲线

FIG.5–PULSE RATING CURVE

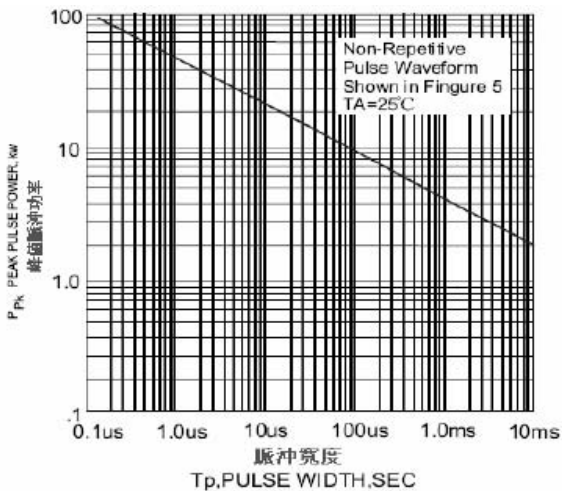


FIG. 2 –最大非重复正向浪涌电流

FIG. 2 –MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

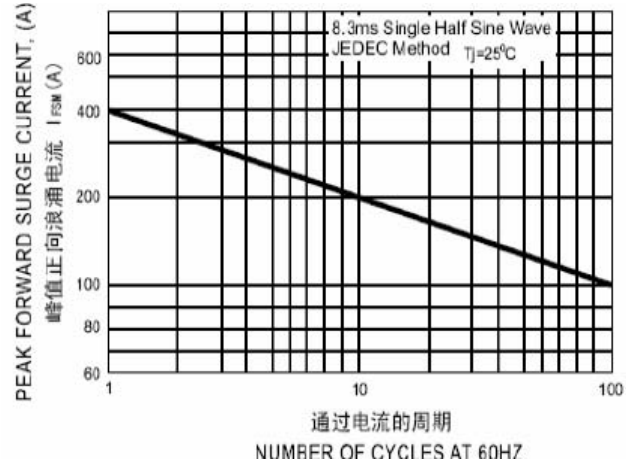


FIG. 4–正向特性曲线(典型)

FIG.4 – TYPICAL FORWARD CHARACTERISTICS

