

特性/机械性能:
FEATURES/MECHANICAL DATE

- ◆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°C/10 秒.



High temperature soldering guaranteed:250°C for 10 seconds

- ◆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)
- ◆反向重复峰值浪涌电流IRSM=26A/L;

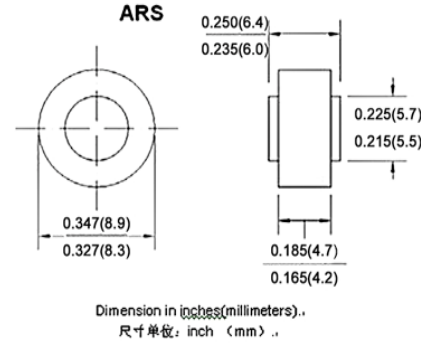
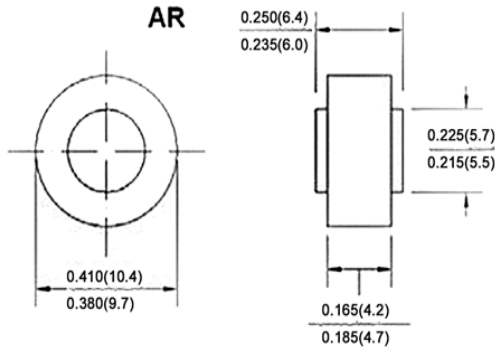
T=80ms方波 IRSM=19A/M;

极限值和电参数:
MAXIMUM RATINGS AND CHARACTERISTICS

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%。
 Rating at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60HZ, resistive or inductive load. For capacitive load, derate current by 20%

| 型 号TYPE | SYMBOL | ARB/ARSB25L | ARB/ARSB25M | ARB/ARSB25H | 单 位 |
|--|---------|-------------|-------------|-------------|------------|
| 最大峰值反向电压 Maximum Current Peak Reverse Voltage | VRRM | 16 | 20 | 28 | V |
| 最大反向有效值电压 Working Peak Reverse Voltage | VRMS | 16 | 20 | 28 | V |
| 最大直流截止电压 Maximum DC Blocking Voltage | VDC | 16 | 20 | 28 | V |
| 击穿电压最小值 Breakdown voltage Min@IBR=100mA/TA=25°C | VBRL | 20 | 24 | 36 | V |
| 击穿电压最大值 Breakdown voltage Max@IBR=100mA/TA=25°C | VBRH | 26 | 32 | 42 | V |
| 最大正向平均整流电流Ta=125°C, Maximum Average Forward Rectified Current | IF (AV) | 25 | | | A |
| 峰值正向浪涌电流 Peak Forward Surge Current 8.3ms Single Sine-wave on Rated Load (JEDEC Method) | IFSM | 300 | | | A |
| 最大瞬间正向电压@100A Maximum Instantaneous Forward Voltage Drop at 100A DC | VF | 1.1 | | | V |
| 最大反向直流电流 Ta = 25°C Maximum DC Reverse Current at Rated DCBlocking VoltageTa = 150°C | IR | 1.0 100 | | | μ A μ A |
| 工作及储存温度范围 Operating AND Storage Temperature Range | TJ,TSTG | -55~+150 | | | °C |

注 释: 在1MHz下测量, 施加4.0V D.C的反向电压.NOTE: Measured at 1 MHz and Applied Reverse Voltage of 4.0 Volts D.C.

产品外形尺寸:
Product appearance size

 Dimension in inches (millimeters).
 尺寸单位: inch (mm)

特性曲线图:
RATINGS AND CHARACTERISTIC CURVES

FIG. 1 - 最大正向平均电流降额

FIG. 1 - MAXIMUM AVERAGE FORWARD CURRENT DERATING

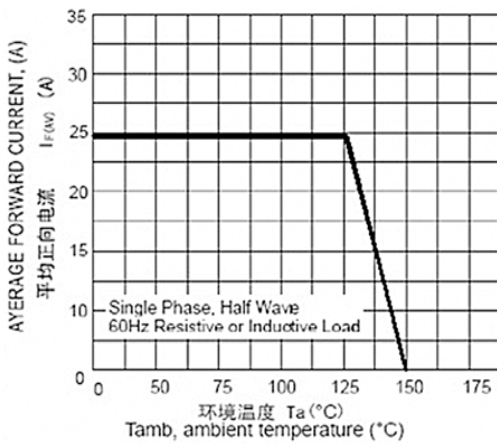


FIG. 2 - 最大非重复正向浪涌电流

FIG. 2 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

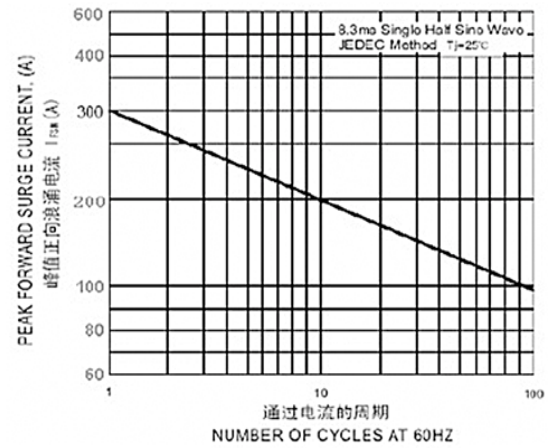


FIG. 3 - 脉冲波形

FIG. 3 - PULSE WAVEFORM

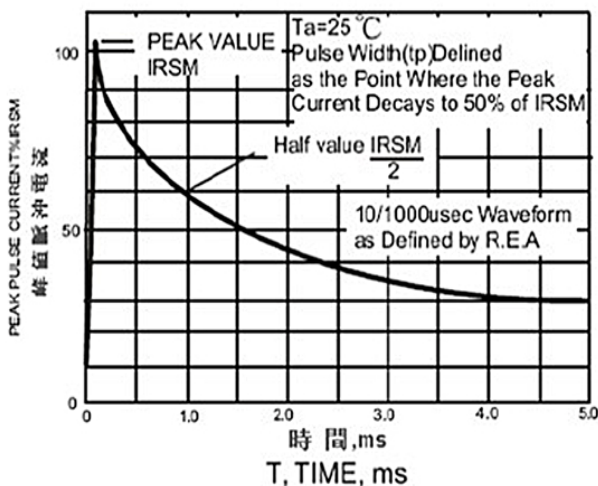


FIG. 4 - 正向特性曲线(典型)

FIG. 4 - TYPICAL FORWARD CHARACTERISTIC

