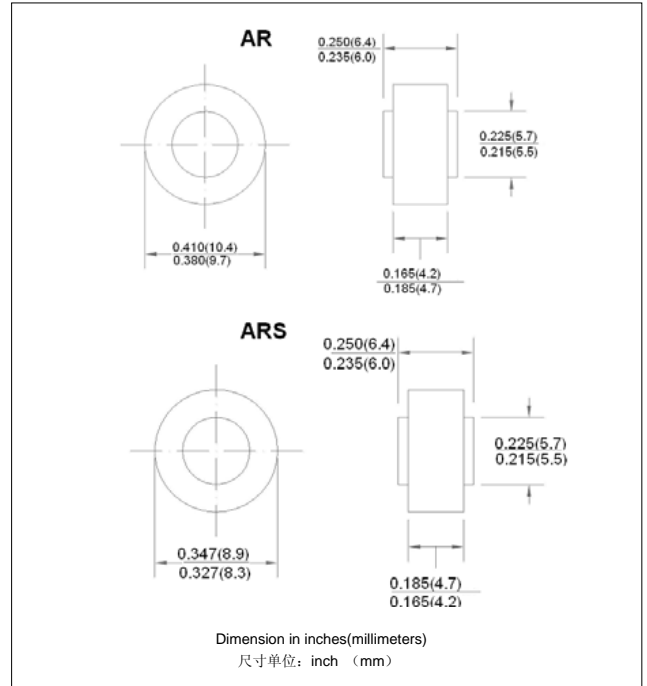


**特性: FEATURES**

- ◆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°C/10 秒.High temperature soldering guaranteed:  
250°C for 10 seconds

**机械性能: 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)



**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.

| 型 号 TYPE  | 符 号                              | AR/ARS     |      |      |      |      |      |      | 单 位 |
|---|----------------------------------|------------|------|------|------|------|------|------|-----|
|   |                                  | 5000       | 5001 | 5002 | 5004 | 5006 | 5008 | 3510 |     |
| 最大峰值反向电压<br>Maximum Current Peak Reverse Voltage  | V <sub>RRM</sub>                 | 50         | 100  | 200  | 400  | 600  | 800  | 1000 | V   |
| 最大反向有效值电压<br>Working Peak Reverse Voltage   | V <sub>RMS</sub>                 | 35         | 70   | 140  | 280  | 420  | 560  | 700  | V   |
| 最大直流截止电压<br>Maximum DC Blocking Voltage   | V <sub>DC</sub>                  | 50         | 100  | 200  | 400  | 600  | 800  | 1000 | V   |
| 最大正向平均整流电流Ta=125°C,<br>Maximum Average Forward Rectified Current                              | I <sub>F(AV)</sub>               | 50         |      |      |      |      |      |      | A   |
| 峰值正向浪涌电流<br>Peak Forward Surge Current 8.3ms Single<br>Sine-wave on Rated Load (JEDEC Method) | I <sub>FSM</sub>                 | 500        |      |      |      |      |      |      | A   |
| 最大瞬间正向压降@100A<br>Maximum Instantaneous Forward Voltage<br>Drop at 100A DC                     | V <sub>F</sub>                   | 1.03       |      |      |      |      |      |      | V   |
| 最大反向直流电流<br>Maximum DC Reverse Current Ta = 25°C<br>at Rated DCBlocking Voltage Ta = 150°C    | I <sub>R</sub>                   | 1.0<br>200 |      |      |      |      |      |      | μ A |
| 典型结电容<br>Typical Junction Capacitance   | C <sub>J</sub>                   | 300        |      |      |      |      |      |      | pF  |
| 工作及储存温度范围<br>Operating AND Storage Temperature Range  | T <sub>J</sub> ,T <sub>STG</sub> | -55~+150   |      |      |      |      |      |      | °C  |

FIG. 1 –输出电流曲线

FIG. 1 – DERATING CURVE FOR OUTPUT RECTIFIER CURRENT.

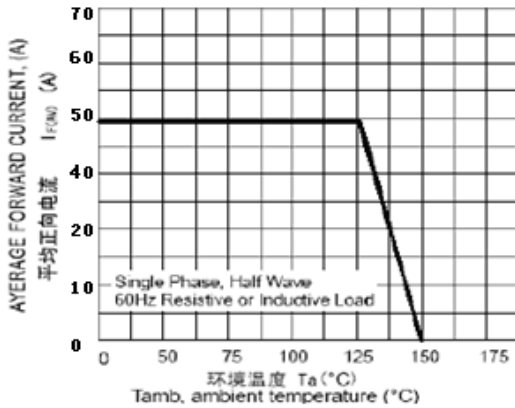


FIG. 3 –瞬间正向特性曲线

FIG.3–TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

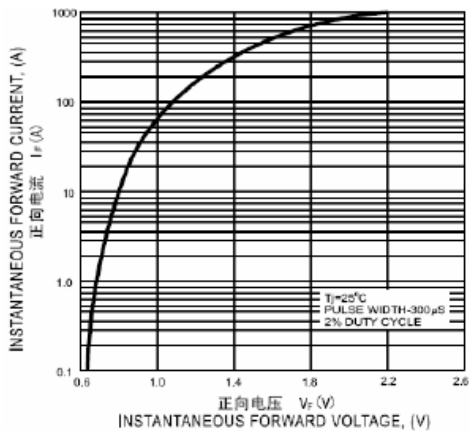


FIG. 5 –典型结电容

FIG. 5 – TYPICAL JUNCTION CAPACITANCE

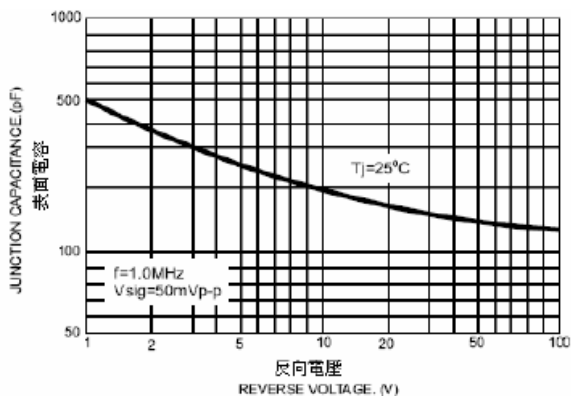


FIG 2 –浪涌特性曲线

FIG. 2 – MAXIMUM NON – REPETITIVE PEAK FORWARD SURGE CURRENT

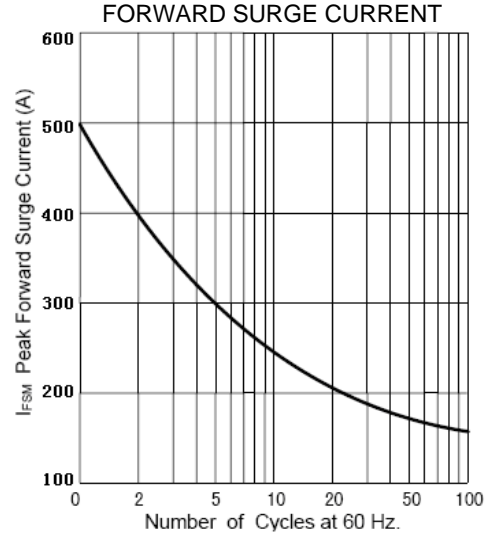


FIG.4 –反向特征曲线

FIG 4 – TYPICAL REVERSE CHARACTERISTICS

