

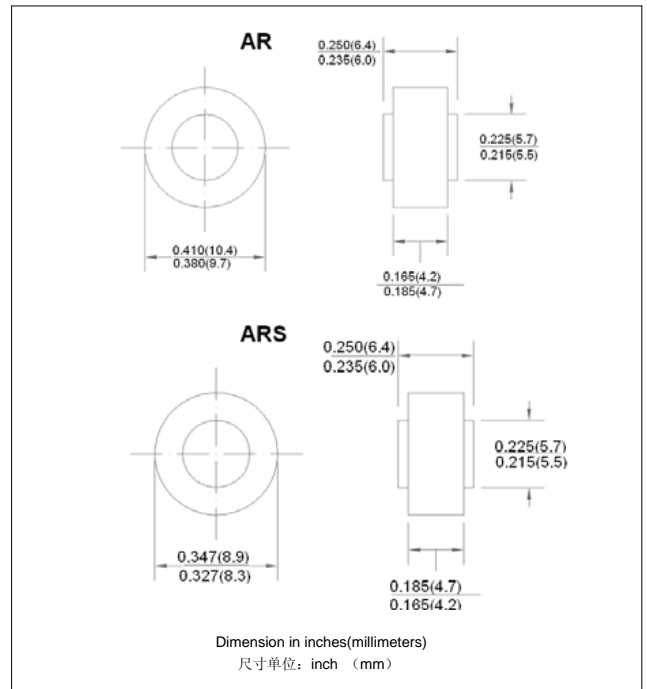


特性: FEATURES

- ◆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 |
|--|----------------------------------|------------|------|------|------|------|------|------|-----|
| | | 2500 | 2501 | 2502 | 2504 | 2506 | 2508 | 2510 | |
| 最大峰值反向电压 Maximum Current Peak Reverse Voltage | V _{RRM} | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| 大反向有效值电压 Working Peak Reverse Voltage | V _{RMS} | 35 | 70 | 140 | 280 | 420 | 560 | 700 | V |
| 最大直流截止电压 Maximum DC Blocking Voltage | V _{DC} | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | V |
| 最大正向平均整流电流Ta=125°C, Maximum Average Forward Rectified Current | I _{F(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) | I _{FSM} | 300 | | | | | | | A |
| 最大瞬间正向压降@100A Maximum Instantaneous Forward Voltage Drop at 100A DC | V _F | 1.10 | | | | | | | V |
| 最大反向直流电流 Maximum DC Reverse Current Ta = 25°C at Rated DCBlocking Voltage Ta = 150°C | I _R | 1.0 200 | | | | | | | μ A |
| 典型结电容 Typical Junction Capacitance | C _J | 300 | | | | | | | pF |
| 工作及储存温度范围 Operating AND Storage Temperature Range | T _J ,T _{STG} | -55~+150 | | | | | | | °C |



FIG. 1 –输出电流曲线

FIG. 1 – DERATING CURVE FOR OUTPUT RECTIFIER CURRENT.

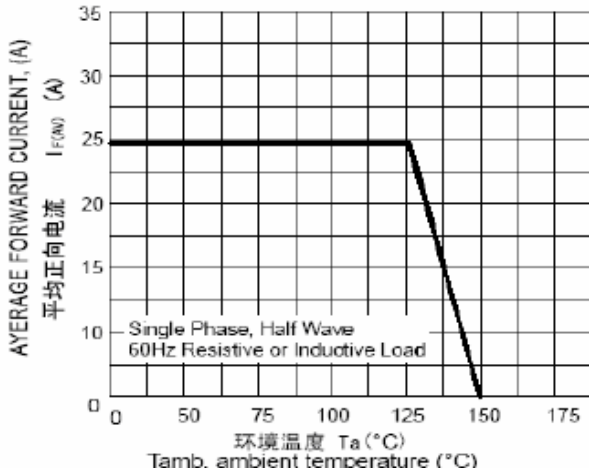


FIG. 3 –瞬间正向特性曲线

FIG.3–TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

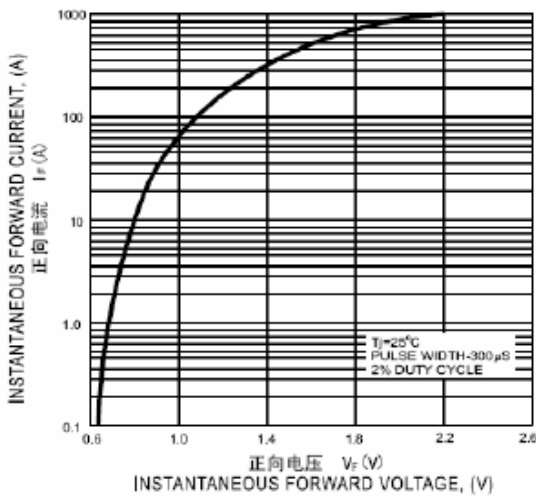


FIG. 5 –典型结电容

FIG. 5 – TYPICAL JUNCTION CAPACITANCE

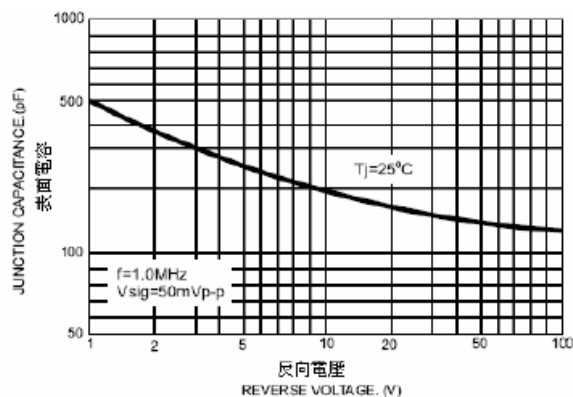


FIG 2 –浪涌特性曲线

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

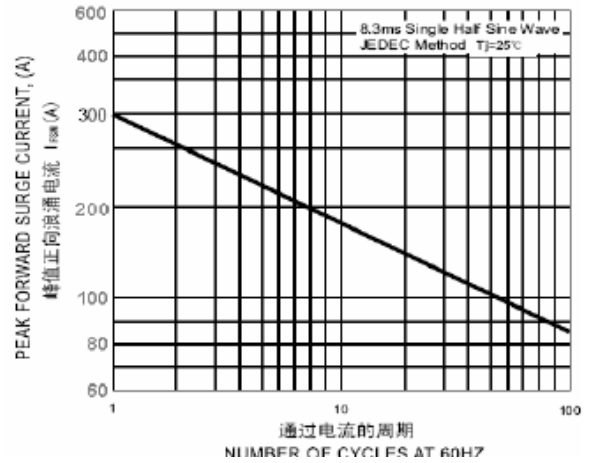


FIG.4 –反向特征曲线

FIG 4 – TYPICAL REVERSE CHARACTERISTICS

