

特征 FEATURES

.35安培工作温度为125度,无热损耗下.

35 Ampere Operation At $T_L=125^{\circ}\text{C}$ With No Thermal Runaway.

.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 BP封装. Case: Copper BP

.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)

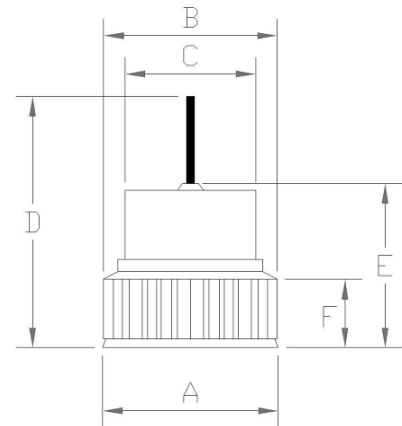
灌注黑色环氧树脂(端子为负/N型)

Polarity: By RED Color Epoxy Potting. (Positive)

By BLACK Color Epoxy Potting. (Negative)

.重量: 6.8克. Weight: 6.8grams

BP



$A=\varnothing 13.0\pm 0.2\text{mm}$ $B=\varnothing 12.8\pm 0.04\text{mm}$

$C=\varnothing 9.98\pm 0.03\text{mm}$ $D=30.0\text{mm min}$

$E=11.0\text{mm max}$ $F=4.5\pm 0.2\text{mm}$

Dimension in millimeters

极限值和电参数 $T_A=25^{\circ}\text{C}$ 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.

For capacitive load, derate current by 20%

| | SYMBOL | BP | | | | | | | UNITS |
|--|----------|-------------|-----|-----|-----|-----|-----|-----|--------------------|
| | | 3505 | 351 | 352 | 353 | 354 | 355 | 356 | |
| 最大峰值反向电压 Maximum Current Peak Reverse Voltage | VRRM | 50 | 100 | 200 | 300 | 400 | 500 | 600 | Volts |
| 最大反向有效电压 Maximum RMS Voltage | VRMS | 35 | 70 | 140 | 210 | 280 | 350 | 420 | Volts |
| 最大直流阻断电压 Maximum DC Blocking Voltage | VDC | 50 | 100 | 200 | 300 | 400 | 500 | 600 | Volts |
| 最大正向平均整流电流 $T_L=125^{\circ}\text{C}$ Maximum Average Forward Rectified Current | I(AV) | 35 | | | | | | | Amps |
| 正向峰值浪涌电流 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 Maximum Instantaneous Forward Voltage Drop at 35A DC | VF | 1.0 | | | | | | | Volts |
| 最大反向漏电流 Maximum DC Reverse Current $T_A=25^{\circ}\text{C}$ at Rated DC Blocking Voltage $T_A=100^{\circ}\text{C}$ | IR | 5 500 | | | | | | | μA |
| 典型结电容 Typical Junction Capacitance (NOTE 1) | CJ | 100 | | | | | | | pF |
| 工作温度存储温度 Operating AND Storage Temperature Range | TSTG/ Tj | -55 to +150 | | | | | | | $^{\circ}\text{C}$ |

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

RATING AND CHARACTERISTIC CURVES BP3505 THRU BP356

FIG. 1 – 最大正向平均电流降额
FIG. 1 – MAXIMUM AVERAGE FORWARD CURRENT DERATING

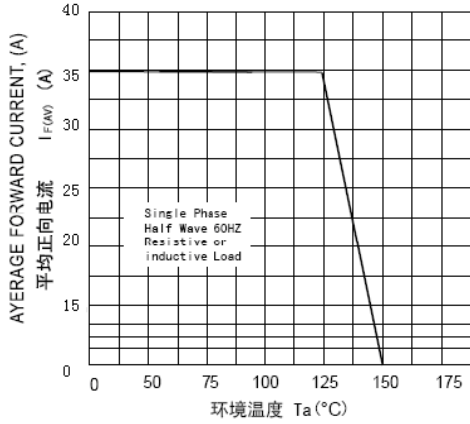


FIG. 3 – 反向特性曲线(典型)
FIG. 3 – TYPICAL REVERSE CHARACTERISTICS

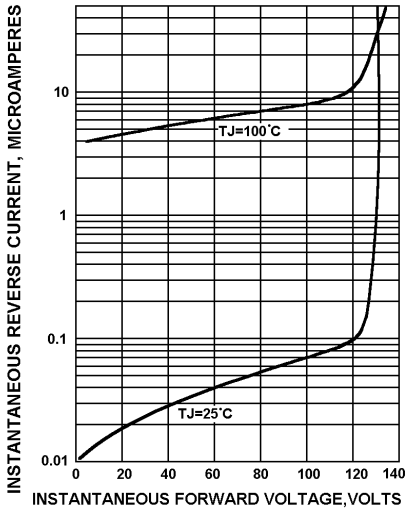


FIG. 5 – 结电容特性曲线
FIG. 5 – TYPICAL JUNCTION CAPACITANCE

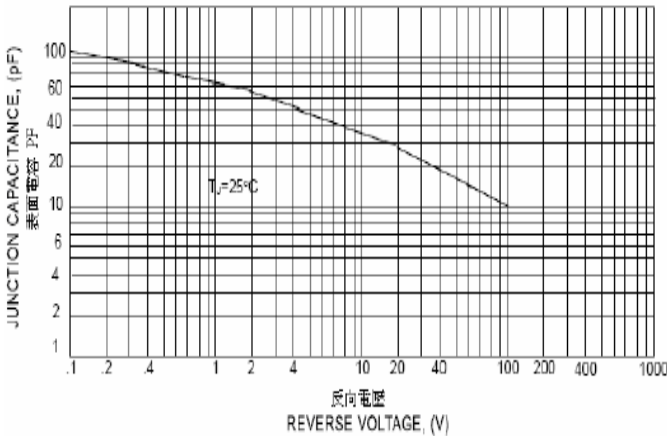


FIG. 2 – 最大非重复正向浪涌电流
FIG. 2 – MAXIMUM NON-REPETITIVE FORWARD

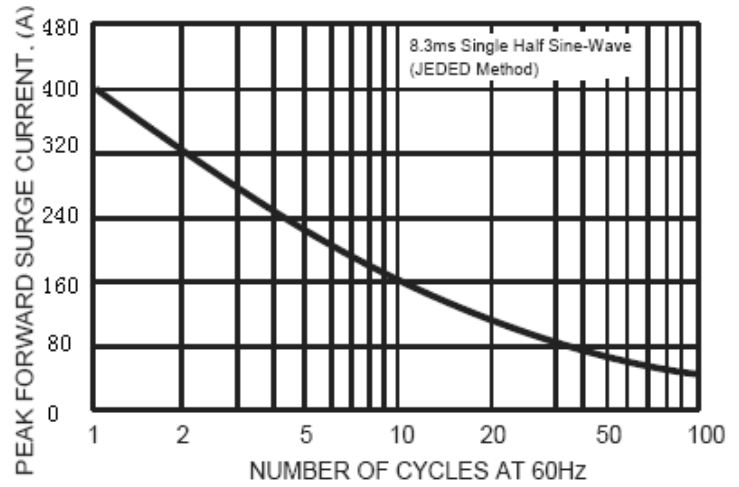


FIG. 4 – TYPICAL FORWARD CHARACTERISTICS

