

产品规格书

DATA SHEET

客户名称 : _____
产品名称 : 单相整流桥
产品型号 : MSB601~MSB610
产品描述 : 玻璃钝化芯片整流桥
6.0 A
物料编码 : _____

| 制作 Prepared by | 审核 Audit by | 批准 Approved by |
|-------------------|----------------|-------------------|
| | | |

| |
|----------------------------|
| 客户确认 Customer Signature |
| |

6.0A Single-Phase Bridge Rectifier

| Features | Outline Drawing |
|--|-----------------|
| <ul style="list-style-type: none"> •Glass passivated chip •Ideal for automated placement •Low Reverse Leakage Current •High surge current capability •Meets MSL level 1, per J-STD-020, LF maximum peak of 260 °C | |
| Mechanical Data | |
| <ul style="list-style-type: none"> •Package: MSB •Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant,; •Case: Molded plastic case •Marking / Polarity: Marked on Body | |

| Type | V _{RRM} (V) | V _{RMS} (V) | V _{Dc} (V) |
|--------|------------------------|------------------------|-----------------------|
| MSB601 | 100 | 70 | 100 |
| MSB602 | 200 | 140 | 200 |
| MSB604 | 400 | 280 | 400 |
| MSB606 | 600 | 420 | 600 |
| MSB608 | 800 | 560 | 800 |
| MSB610 | 1000 | 700 | 1000 |

| Maximum Ratings and Thermal Characteristics @ Ta = 25°C unless otherwise noted | | | | |
|--|------------------|---|-------------|------------------|
| Item | Symbol | Conditions | Rated value | Unit |
| Average Rectified Output Current | I _o | 60Hz sine wave load, TC=110°C | 6.0 | A |
| Peak Surge Forward Current | I _{fsm} | 60HZ half sine wave, 1 cycle , T _j =25°C | 125 | A |
| Rating for fusing | i ² t | 1ms<t<8.3ms, T _j =25°C , Rating of per diode | 64.8 | A ² s |
| Storage Temperature | T _{stg} | | -55 ~ +150 | °C |
| Junction Temperature | T _j | | -55 ~ +150 | °C |

| Electrical Characteristics @ Ta = 25°C unless otherwise noted | | | | | |
|---|-------------------|---|-----------------------|------|----|
| Item | Symbol | Conditions | Rated value | Unit | |
| Peak Forward Voltage | V _F | I _F =3.0A, Pulse measurement Rate of per diode | 1.1 | V | |
| Peak Reverse Current | I _R | V _R =V _{RRM} , Pulse measurement, Rating of per diode | T _J =25°C | 5 | uA |
| | | | T _J =100°C | 100 | uA |
| Thermal resistance | R _{θJ-A} | Between junction and ambient | 55.0 | °C/W | |
| | R _{θJ-C} | Between junction and case | 10.0 | | |
| | R _{θJ-L} | Between junction and lead | 15.0 | | |

Rating Characteristic

FIG.1: I_o - T_c Curve

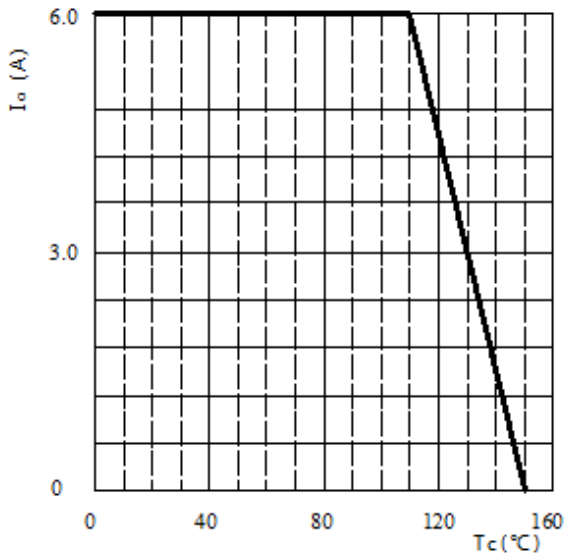


FIG.2 : Surge Forward Current Capability

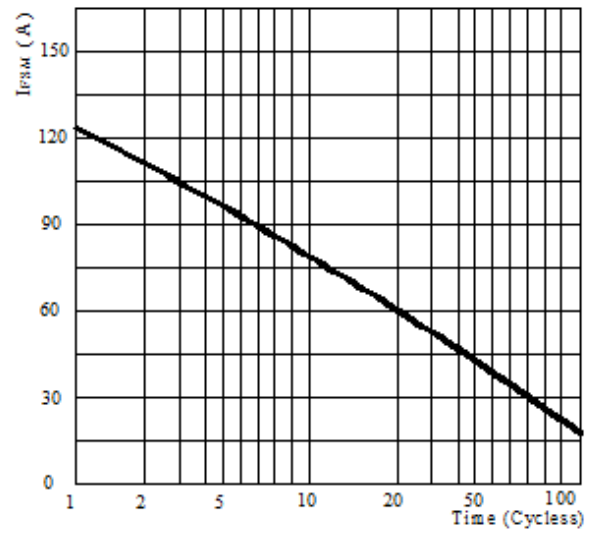


FIG3: Typical Reverse Characteristics

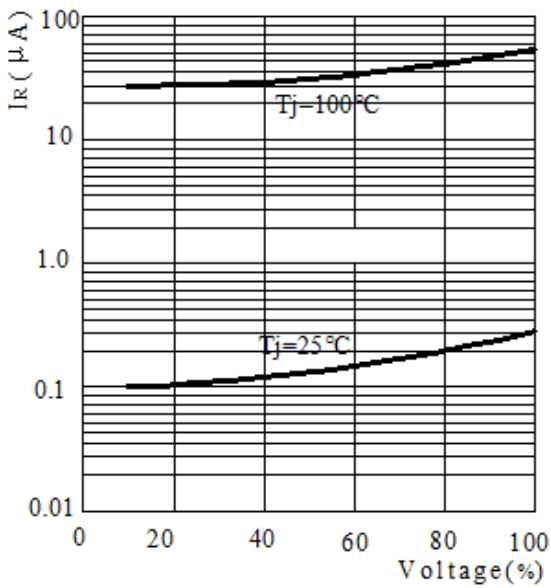
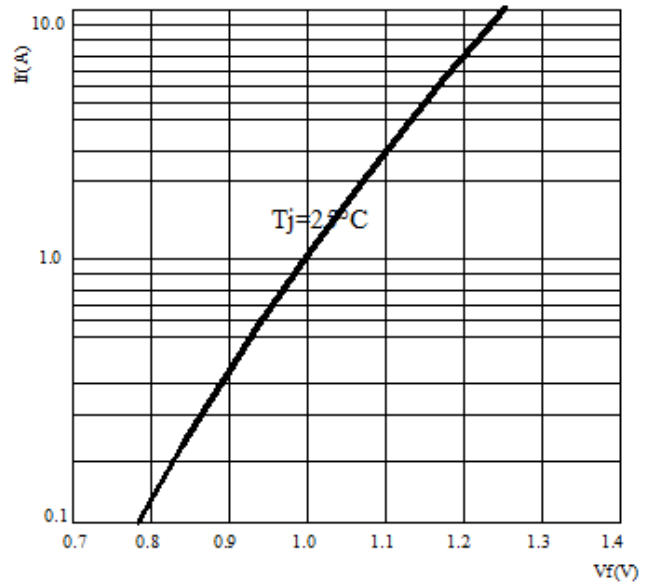
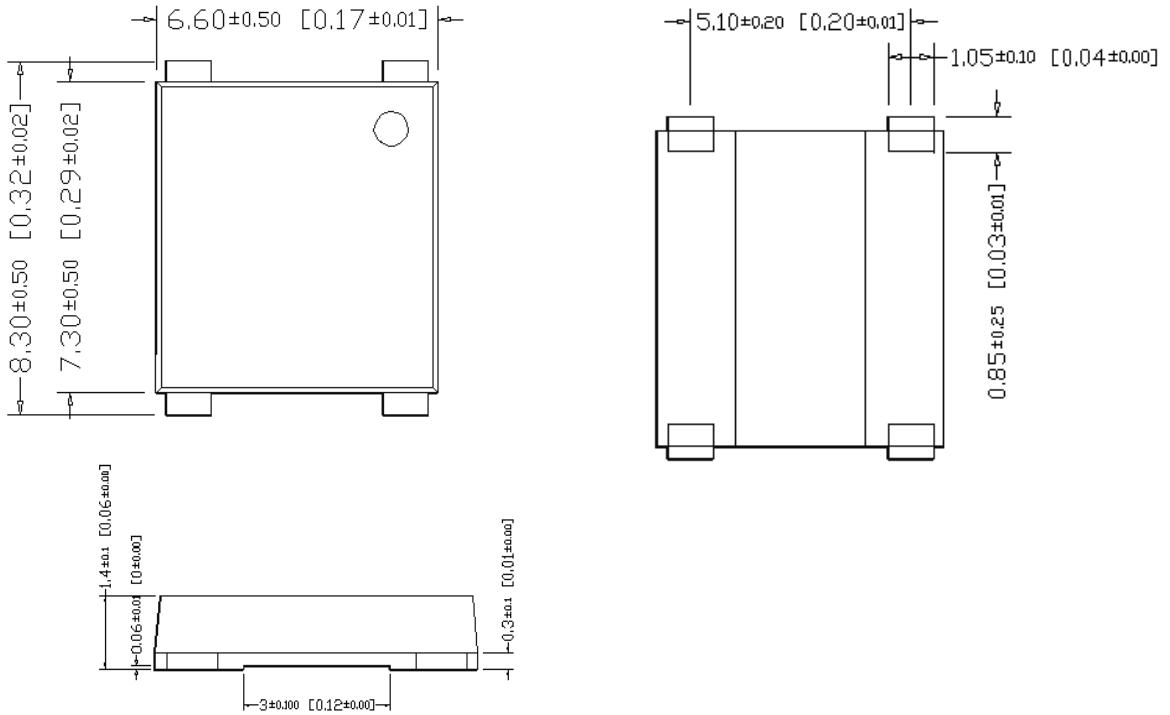


FIG4: Typical Forward Characteristics



Outline Dimensions



Dimensions in mm(inches)

Marking



1. MSB: Package ;
2. 6: I_o ;
3. 01: V_{rrm} , eg: 01=1*100=100V;