

# BAT760

## SCHOTTKY BARRIER RECTIFIERS

Reverse Voltage - 30V Forward Current - 0.5A

### FEATURES

- Low current rectifier Schottky diode
- Low voltage, low inductance
- For power supply



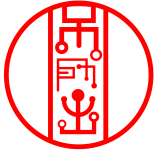
SOD-323

### Maximum Ratings and Electrical Characteristics, Single Diode @T<sub>A</sub>=25°C

| Parameter                  | Symbol           | Limits   | Unit |
|----------------------------|------------------|----------|------|
| Peak reverse voltage       | V <sub>RM</sub>  | 30       | V    |
| DC reverse voltage         | V <sub>R</sub>   | 20       | V    |
| Mean rectifying current    | I <sub>O</sub>   | 0.5      | A    |
| Peak forward surge current | I <sub>FSM</sub> | 2        | A    |
| Junction temperature       | T <sub>j</sub>   | 125      | °C   |
| Storage temperature        | T <sub>stg</sub> | -40~+125 | °C   |

### Electrical Ratings @T<sub>A</sub>=25°C

| Parameter       | Symbol         | Min. | Typ. | Max.         | Unit | Conditions                                     |
|-----------------|----------------|------|------|--------------|------|------------------------------------------------|
| Forward voltage | V <sub>F</sub> |      |      | 0.36<br>0.47 | V    | I <sub>F</sub> =100mA<br>I <sub>F</sub> =500mA |
| Reverse current | I <sub>R</sub> |      |      | 100          | μA   | V <sub>R</sub> =20V                            |



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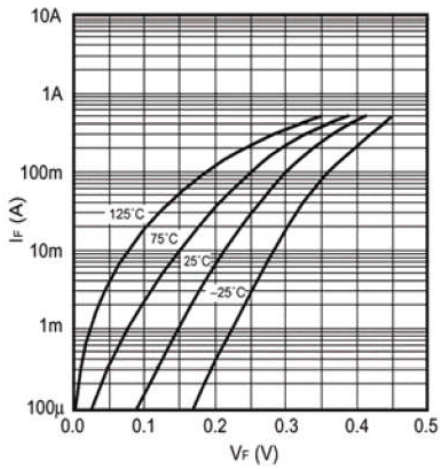


Fig.1 Forward characteristics

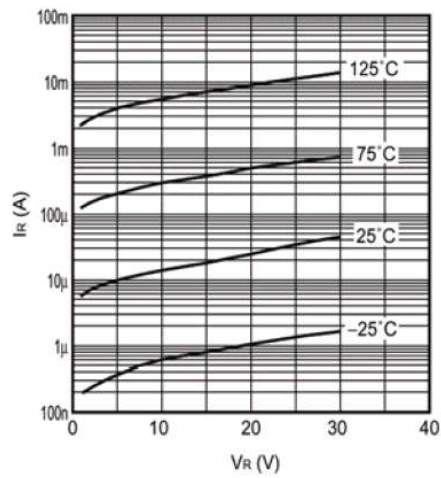


Fig.2 Reverse characteristics

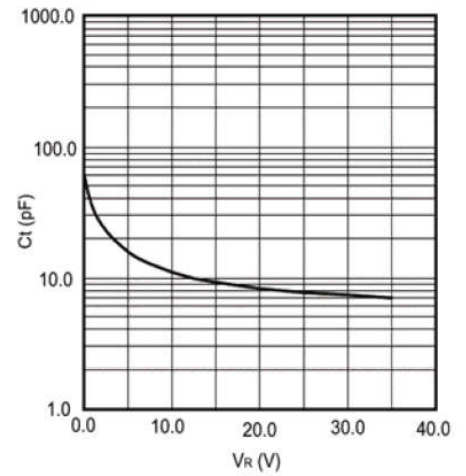


Fig.3 Capacitance between terminals characteristics

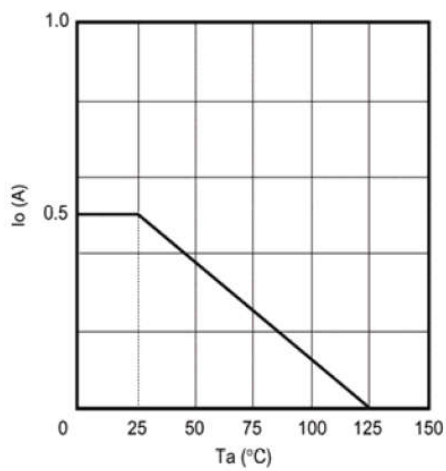


Fig.4 Derating curve