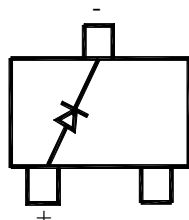


SCHOTTKY DIODE
FEATURES

- Low-power rectification
- For switching power supply
- Ultra low V_F . ($V_F=0.45V$ Typ. at 0.7A)
- $I_F=0.7A$ guaranteed despite the size.


SOT-323

1. ANODE
2. N,C
3. CATHODE


MARKING: 3B •
Maximum Ratings @ $T_A=25^{\circ}C$

| Parameter | Symbol | Limits | Unit |
|-------------------------------------|-----------|------------|-------------|
| Non-Repetitive Peak reverse voltage | V_{RM} | 25 | V |
| DC Blocking Voltage | V_R | 20 | V |
| Average Rectified Output Current | I_O | 700 | mA |
| Power Dissipation | P_D | 150 | mW |
| Junction temperature | T_J | 125 | $^{\circ}C$ |
| Storage temperature range | T_{STG} | -40 to+125 | $^{\circ}C$ |

ELECTRICAL CHARACTERISTICS ($T_{amb}=25^{\circ}C$ unless otherwise specified)

| Parameter | Symbol | Test conditions | MIN | MAX | UNIT |
|---------------------------------|------------|-----------------|-----|------|---------|
| Reverse breakdown voltage | $V_{(BR)}$ | $I_R=200\mu A$ | 20 | | V |
| Reverse voltage leakage current | I_R | $V_R=20V$ | | 200 | μA |
| Forward voltage | V_F | $I_F=700mA$ | | 0.49 | V |

Typical characteristics

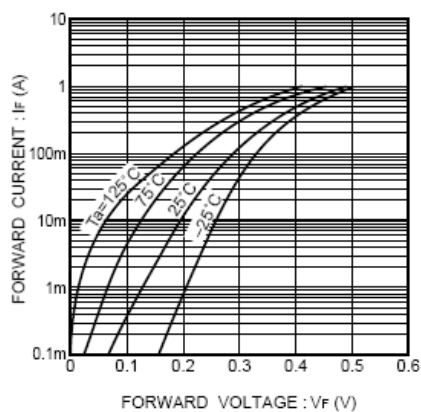


Fig.1 Forward characteristics

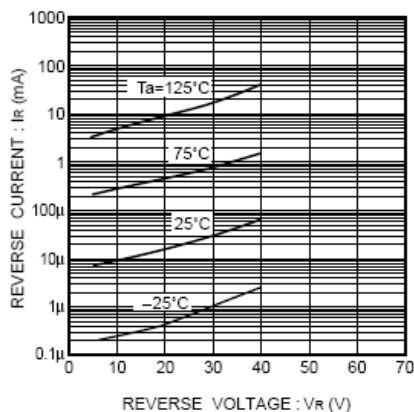


Fig.2 Reverse characteristics

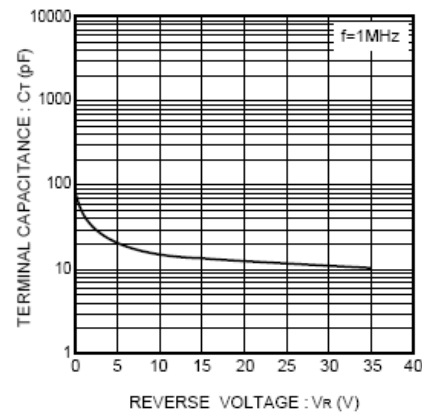


Fig.3 Capacitance between terminals characteristics

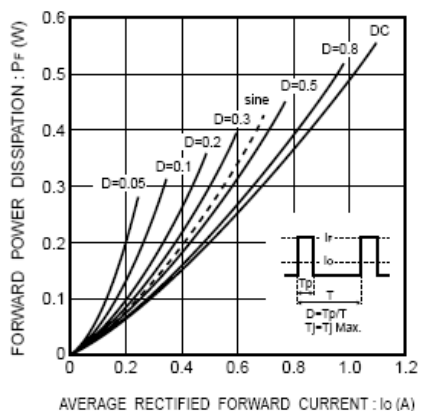


Fig.4 Forward power dissipation characteristics

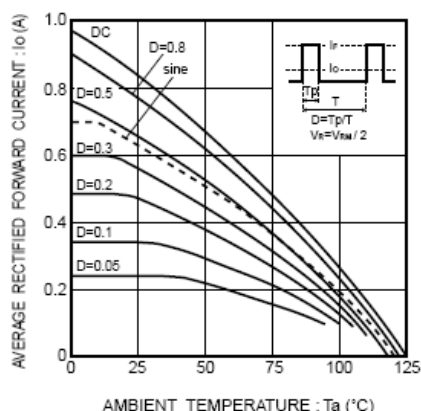


Fig.5 Derating curve
(when mounted on a glass epoxy PCBs board)