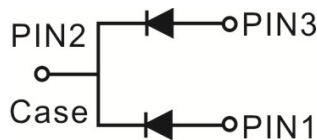
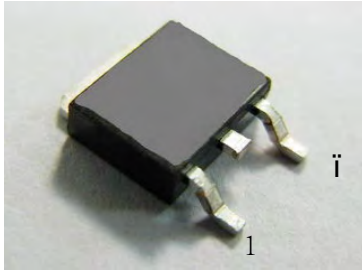


Trench MOS Barrier Schottky Rectifier

7639



Features

- Advanced trench technology
- Low forward voltage drop
- Low power losses
- High efficiency operation
- Lead Free Finish, RoHS Compliant

Applications

- DC/DC Converters
- AC/DC Adaptors
- Switching Power Supplies
- Freewheeling Diodes

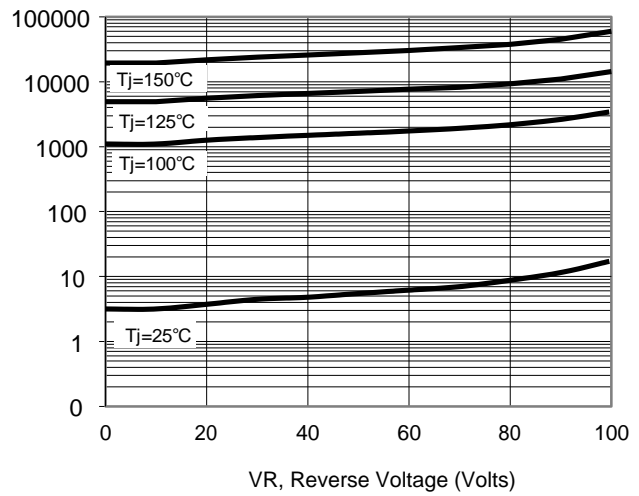
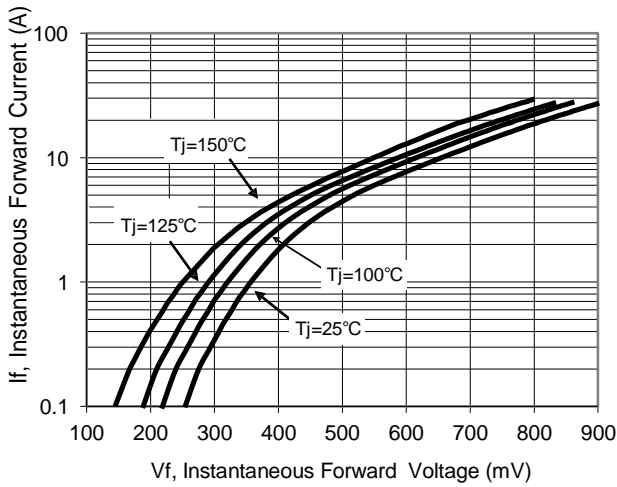
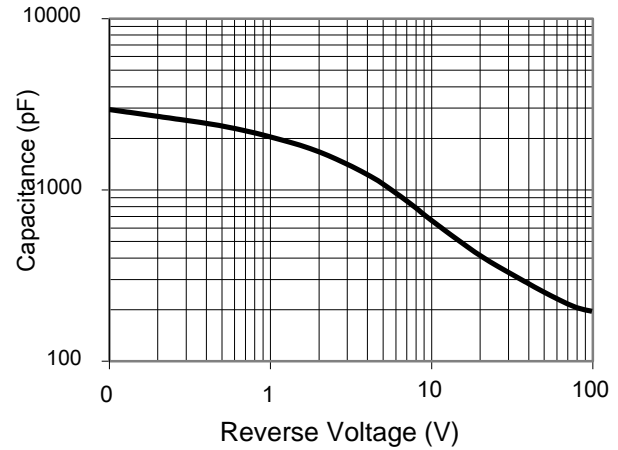
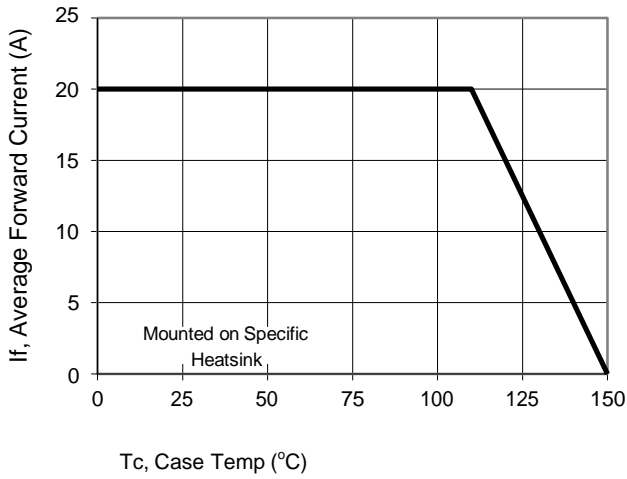
Maximum ratings and electrical characteristics (T_J = 25°C unless otherwise noted)

| Parameter | | Symbol | Limit | | Unit |
|--|----------|-----------|-----------|------|------|
| Maximum repetitive peak reverse voltage | | VRRM | | | V |
| Maximum average forward rectified current | GHYLFH | IF(AV) | | | A |
| | SHUGLRGH | | | | |
| Peak forward surge current 8.3 ms single half sine-wave superimposed on rated load per diode | | IFSM | | | A |
| Operating junction and storage temperature range | | TJ, TSTG | - to +150 | | °C |
| Typical thermal resistance per leg | 7.2 | 5 \$ - \$ | | | °C/W |
| Instantaneous forward voltage per diode | | | TYP. | MAX. | V |
| | IF= A | TJ=25°C | 0. | | |
| | IF= A | TJ=125°C | 0. | - | |
| | IF= A | TJ=25°C | | | |
| Instantaneous reverse current per diode at rated reverse voltage | TJ=25°C | IR(2) | 0 | | uA |
| | TJ=125°C | | | | mA |

Notes:

3XOVH WHVW 3XOVH ZLGWK GXW\F\FOH
 3XOVH WHVW 3XOPWH ZLGWK 0

RATINGS AND CHARACTERISTICS CURVES



PACKAGE OUTLINE DIMENSIONS

