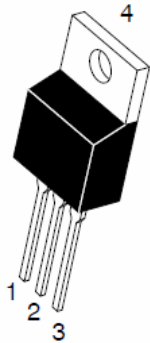
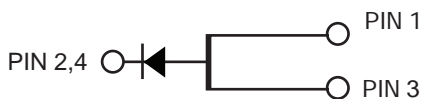


Trench MOS Barrier Schottky Rectifier

TO-220AB
TSR10L100CT-S



ITO-220AB
TSR10L100CTF-S



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

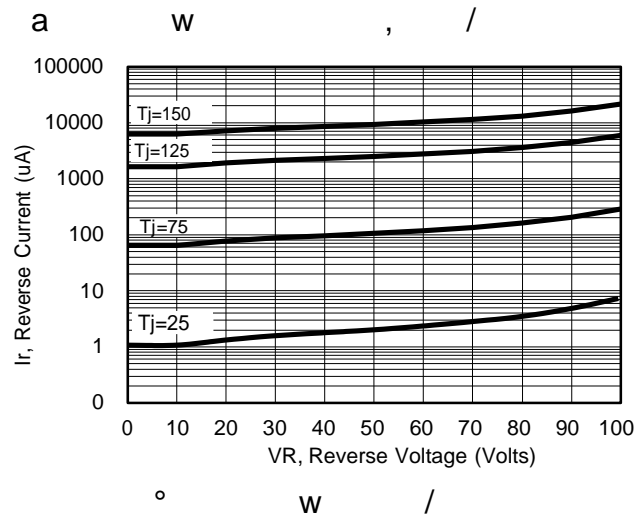
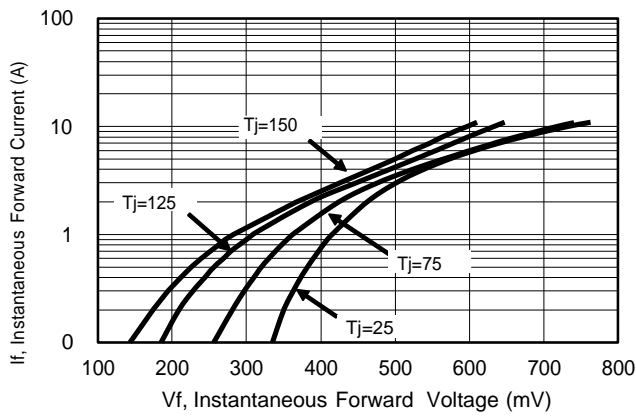
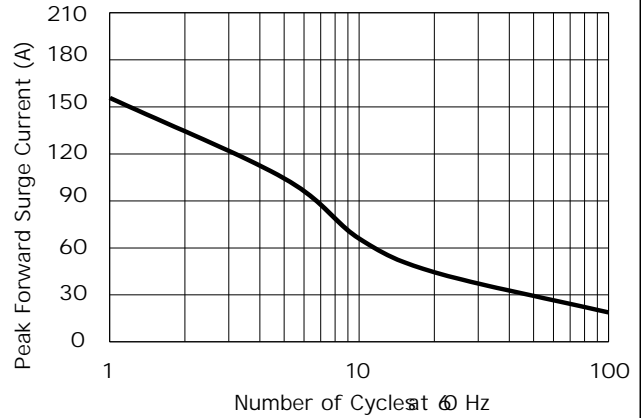
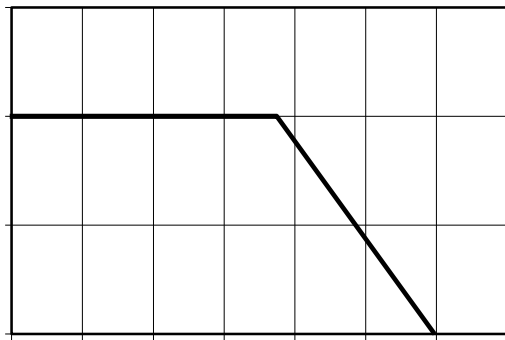
Maximum ratings and electrical characteristics (T_J = 25°C unless otherwise noted)

| Parameter | | Symbol | Limit | | Unit |
|---|------------|-----------|-------------|------|------|
| Maximum repetitive peak reverse voltage | | VRRM | 1 0 | | V |
| Maximum average forward rectified current | per device | IF(AV) | 10 | | A |
| Peak forward surge current 8.3 ms single half sine- wave superimposed on rated load per diode | | IFSM | 0 | | A |
| Operating junction and storage temperature range | | TJ, TSTG | -55 to +150 | | °C |
| Typical thermal resistance per leg | | TO-220AB | 2 | | °C/W |
| | | ITO-220AB | 4 | | °C/W |
| Instantaneous forward voltage per diode | | | TYP. | MAX. | V |
| | IF=2A | TJ=25°C | 0. | | |
| | IF=2A | TJ=125°C | | - | |
| | IF=10A | TJ=25°C | | | |
| Instantaneous reverse current per diode at rated reverse voltage | | | | | |
| | | | | | |
| | | TJ=25°C | - | 0 | µA |
| | | TJ=125°C | - | 10 | mA |

Notes:

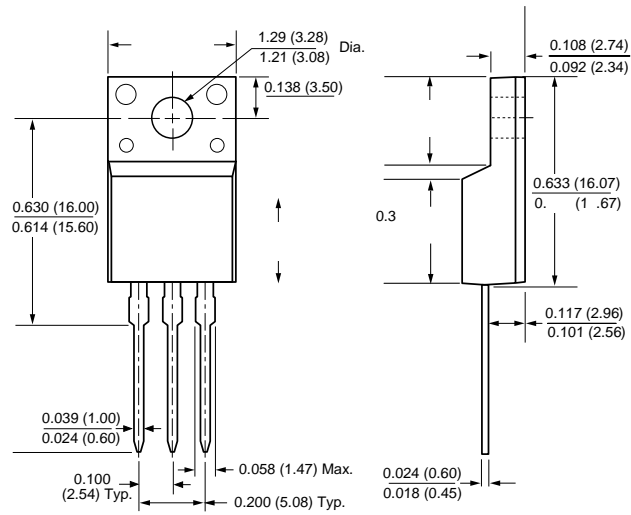
III

RATINGS AND CHARACTERISTICS CURVES



TSR10L100CT-S & CTF-S Rev 1.1

PACKAGE OUTLINE DIMENSIONS



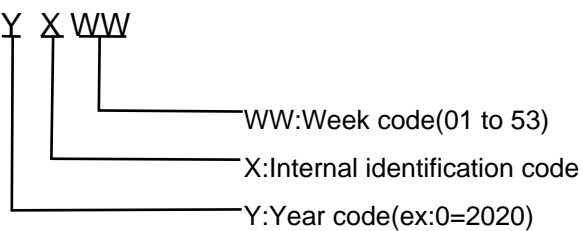
Marking Information

①W : Company's trademark

②Product model : TSR10 OCT 10 0

③PDC information

Y X WW



Packaging Information

1.Tube Dimensions

2.Inside Box

3.Outside Box

Packaging Information

| NO | UNIT | Tube Dimensions | | Inside Box | Outside Box |
|------|------|-----------------|---|------------|-------------|
| | | A | B | | |
| Size | mm | | | | |