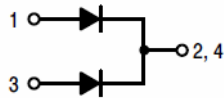
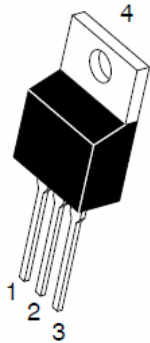


# Trench MOS Barrier Schottky Rectifier

TO-220AB  
TSR 20

ITO-220AB  
L1 TSR CTF



## 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

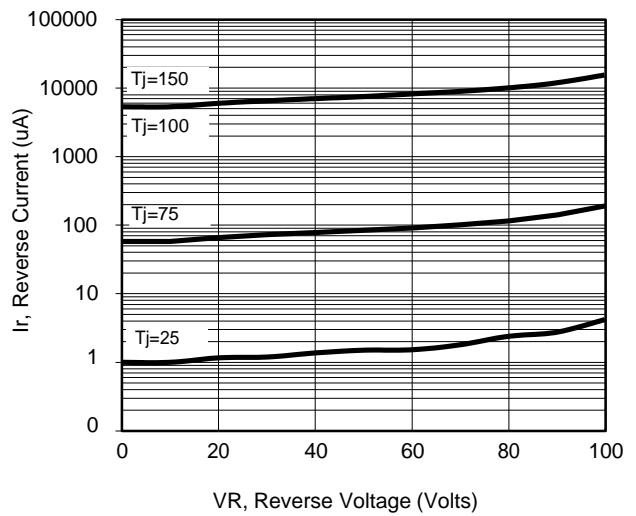
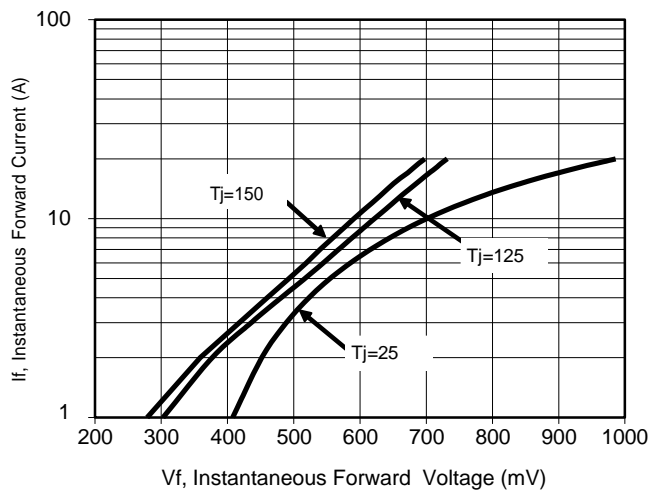
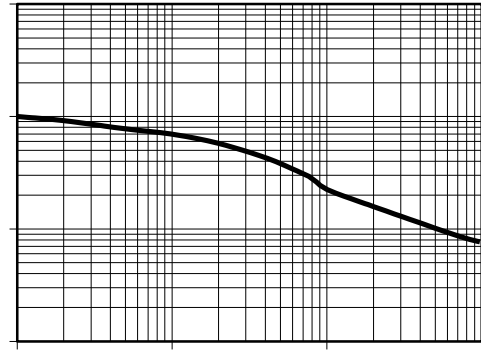
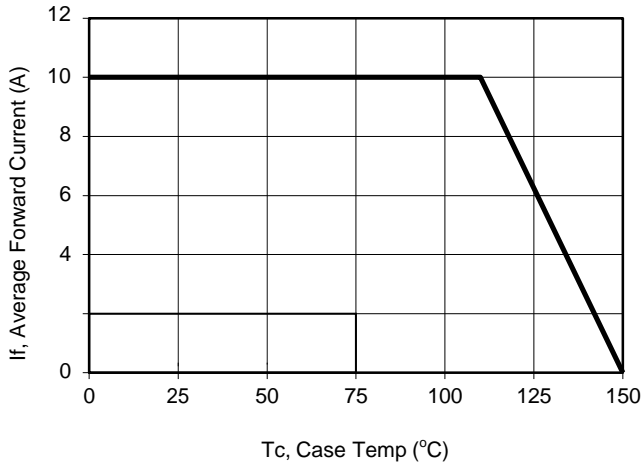
Maximum ratings and electrical characteristics (T<sub>J</sub> = 25°C unless otherwise noted)

| Parameter  | Symbol    | Limit | Unit |
|--|-----------|-------|------|
| Maximum repetitive peak reverse voltage  | VRRM      | 10    | V    |
| Maximum average forward rectified current  | device    | 0     | A    |
|  | per diode |       |      |
| Peak forward surge current 8.3 ms single half sine-wave superimposed on rated load per diode | IFSM      | 0     | A    |

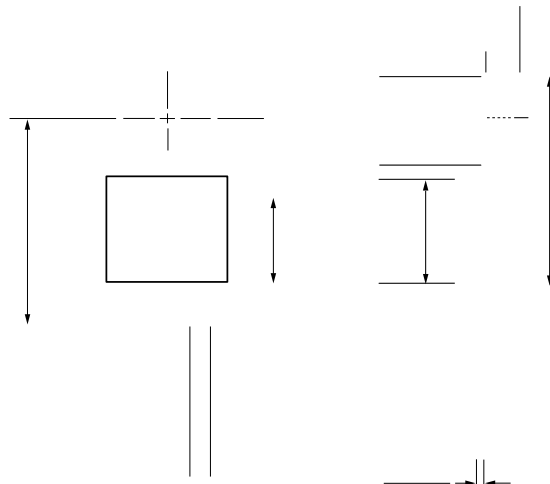
## Notes:

3XOVH WHV W 3XOVH ZLGWK GXW\ F\FOH  
3XOVH WHVW 3XOPVH ZLGWK 0

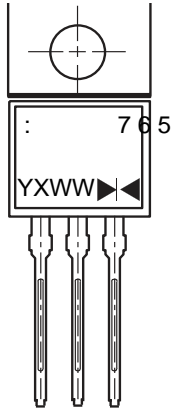
RATINGS AND CHARACTERISTICS CURVES (TA = 25 °C unless otherwise noted)



PACKAGE OUTLINE DIMENSIONS



## Marking Information



W : Company's trademark

Product model TSR20L100CT or TSR20L100CTF

PDC information:

Y X WW

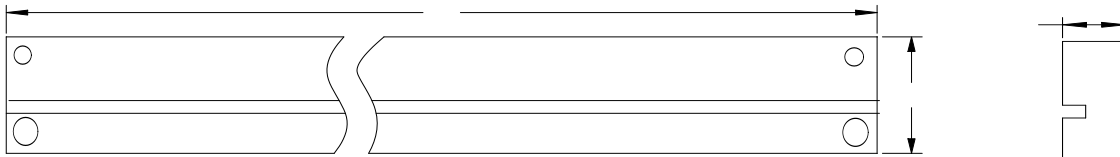
:::Week code(01 to 53)

;Internal L G H Q W L d d d F D W L R Q

Y:Year code(ex:0=2020)

## Packaging Information

### 1.Tube Dimensions



### 2. Inside Box

### 3. Outside Box

## Packaging Information

| 1 2     | 8 1 , | Tube Dimensions           |   |    | , Q V L % R H                                  |    |     | 2 X W V L G H % R               |    |    |
|---------|-------|---------------------------|---|----|--|----|-----|---------------------------------|----|----|
|         |       | A                         | % | C  | /  | :  | +   | /                               | :  | +  |
| 6 ↓ H   | PP    | 5                         | 7 | 33 | 570  | 46 | 150 | 59                              | 26 | 18 |
| 4 7 <   | 3 & 6 | 3 & 6 Tube                |   |    | Smallest package, 3 & 6<br>20 tube L Q R W D O |    |     | 5 3 & 6 F D U E R G L W R W D O |    |    |
| 1 R W H |       | 7 R O H U D Q F P P " P P |   |    | P P " P P                                      |    |     | P P " P P                       |    |    |