

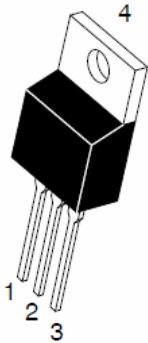
# TSR60L60CT

# TSR60L60CTF

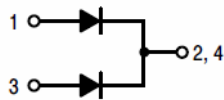
23-NOV-2019

## Trench MOS Barrier Schottky Rectifier

**TO-220AB**  
**TSR60L60CT**



**ITO-220AB**  
**TSR60L60CTF**



### 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	0		V
Maximum average forward rectified current	device	IF(AV)	0		A
	per diode		0		
Peak forward surge current 8.3 ms single half sine- wave superimposed on rated load per diode		IFSM	280		A
Operating junction and storage temperature range		TJ, TSTG	-50 to +150		°C
Typical thermal resistance per leg		TO-220AB		2	
		R JC			
Instantaneous forward voltage per diode			TYP.	MAX.	V
	IF=3A	TJ=25°C	0.3	0.	
	IF=3A	TJ=125°C	0.	-	
	IF= 0A	TJ=25°C	0.	0.	
Instantaneous reverse current per diode at rated reverse voltage	TJ=25°C		0	0	uA
	TJ=125°C		10	-	mA

Notes:

(1) Pulse test: 300 μs pulse width, 1 % duty cycle

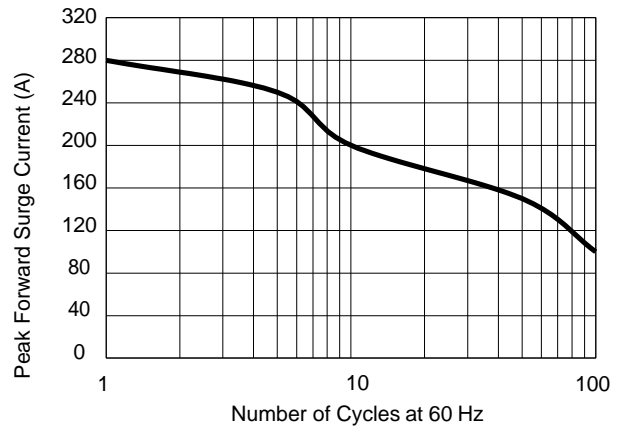
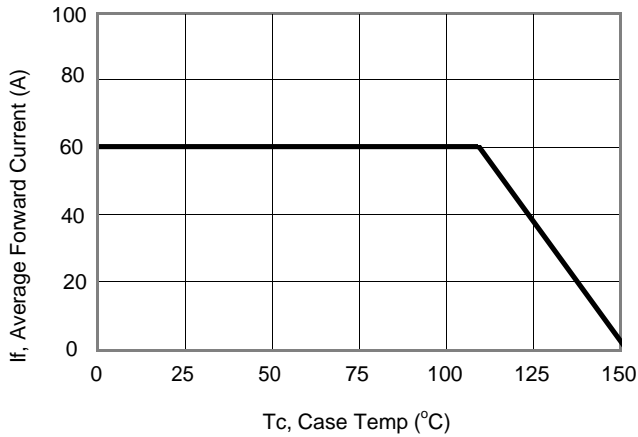
(2) Pulse test: Pulse width ≦ 40 ms

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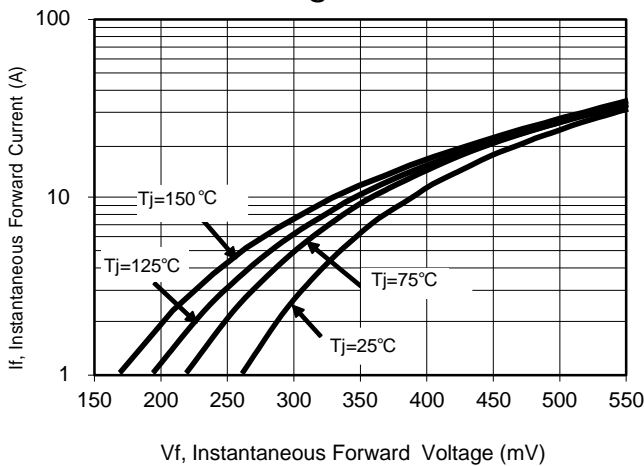
# TSR60L60CTF

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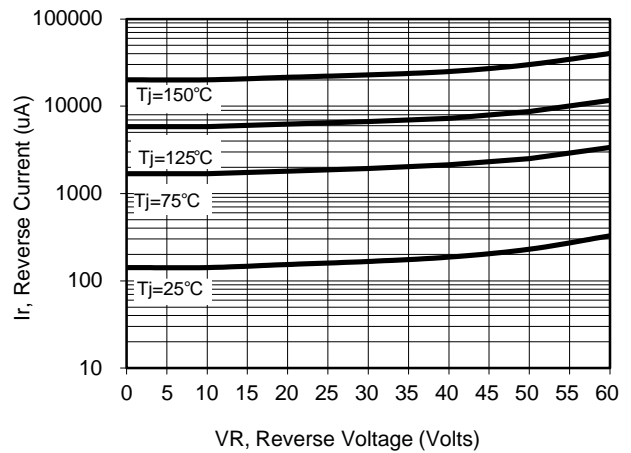
## RATINGS AND CHARACTERISTICS CURVES (TA = 25 °C unless otherwise noted)



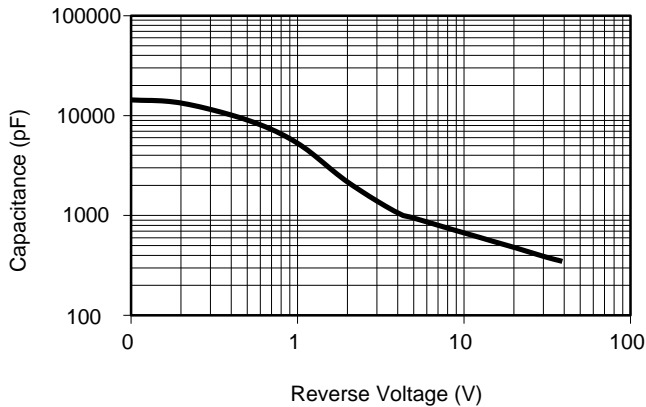
### Current Derating, Case



### Maximum Repetitive Surge Current



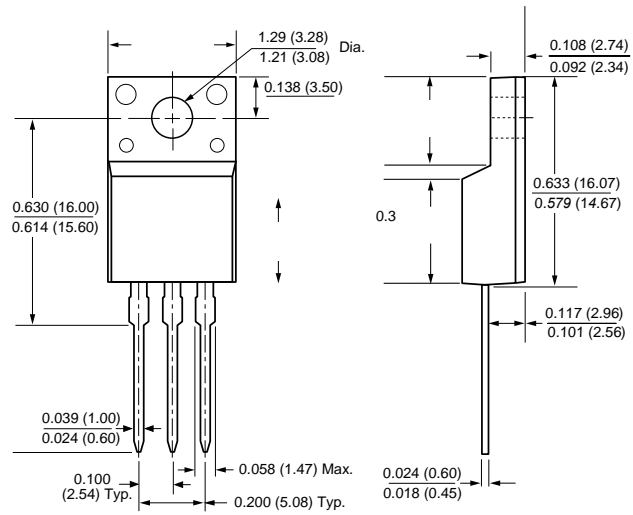
### Typical Forward Voltage



### Typical Reverse Current

### Typical Junction Capacitance

# PACKAGE OUTLINE DIMENSIONS



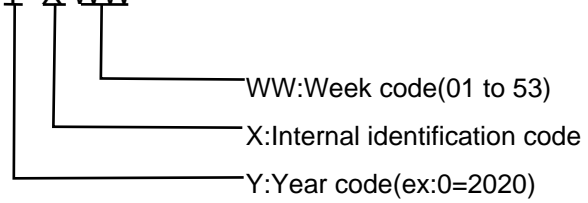
## Marking Information

W : Company's trademark

Product model : TSR 0L60CT or TSR 0L60CTF

PDC information

Y X WW



## Packaging Information

1.Tube Dimensions

2.Inside Box

3.Outside Box

## Packaging Information