

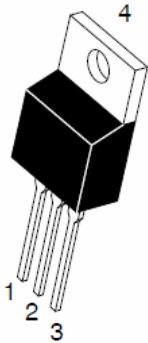
TSR60L60CT

TSR60L60CTF

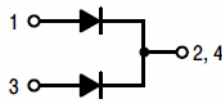
23-NOV-2019

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_J = 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		T _J , T _{STG}	-50 to +150		°C
Typical thermal resistance per leg		R _{JC}	2		
Instantaneous forward voltage per diode			TYP.	MAX.	V
	IF=3A	T _J =25°C	0.3	0.	
	IF=3A	T _J =125°C	0.	-	
	IF= 0A	T _J =25°C	0.	0.	
Instantaneous reverse current per diode at rated reverse voltage			0	0	µA
			10	-	mA

Notes:

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

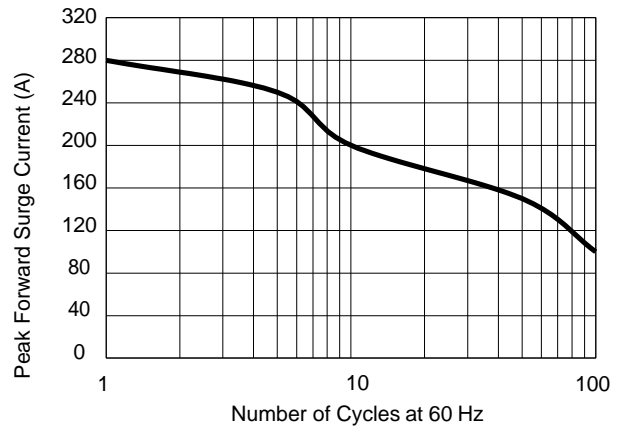
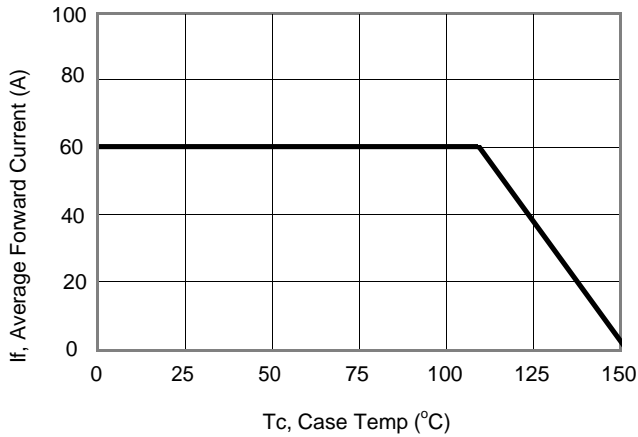
(2) Pulse test: Pulse width ≦ 40 ms

TSR60L60CT

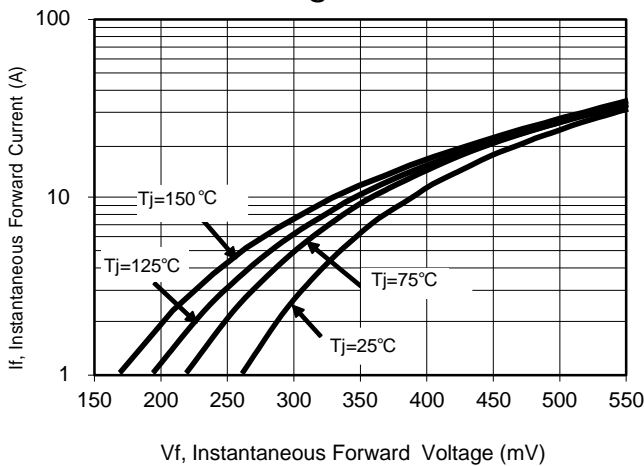
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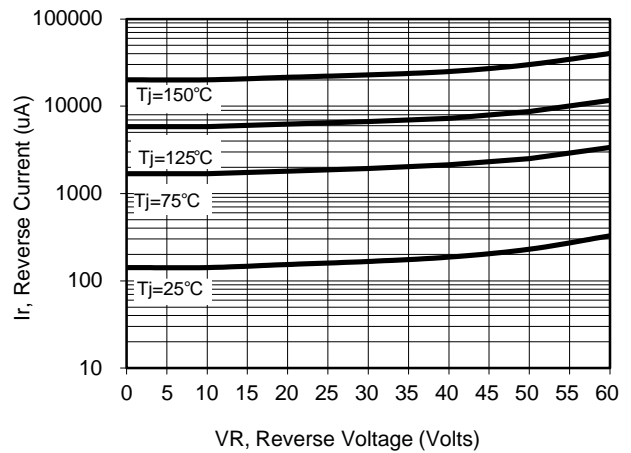
RATINGS AND CHARACTERISTICS CURVES (TA = 25 °C unless otherwise noted)



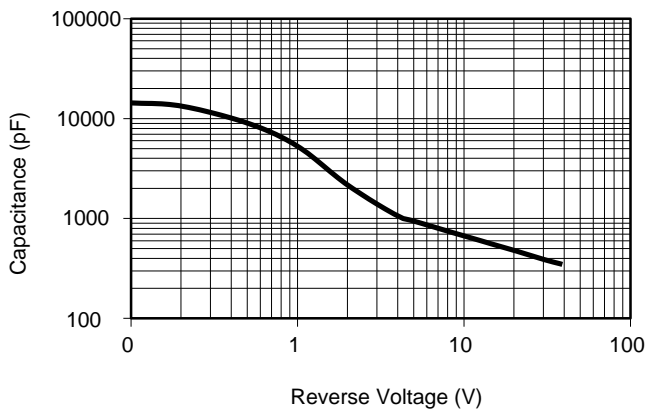
Current Derating, Case



Maximum Repetitive Surge Current



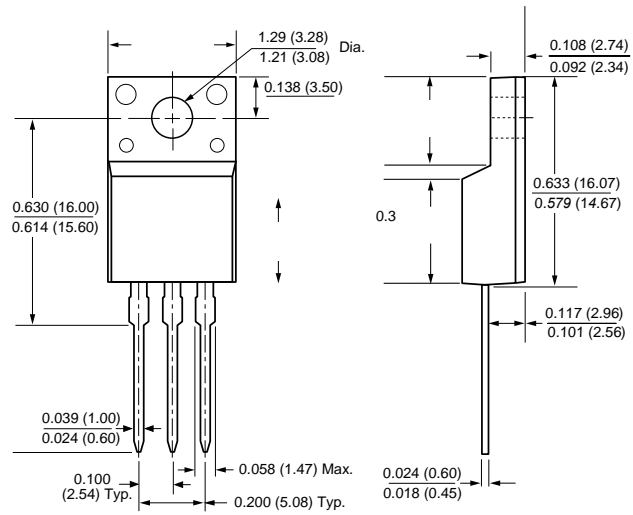
Typical Forward Voltage



Typical Reverse Current

Typical Junction Capacitance

PACKAGE OUTLINE DIMENSIONS

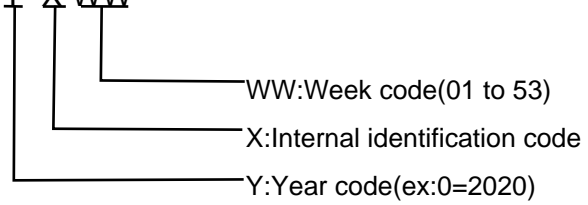


Marking Information

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