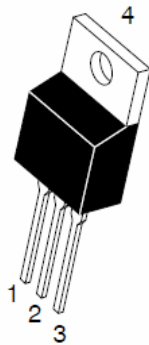
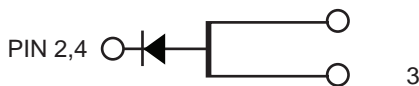


Trench MOS Barrier Schottky Rectifier

TO-220AB
TSR L10 CT-S



ITO-220AB
TSR L10 CTF-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)

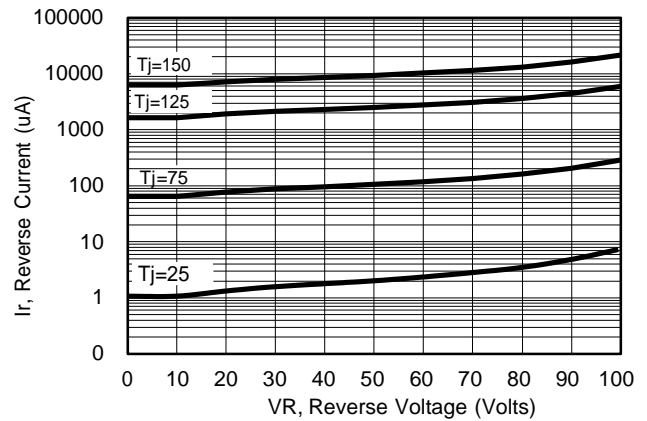
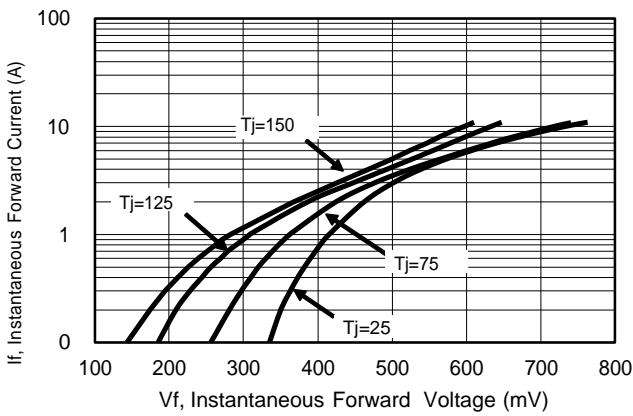
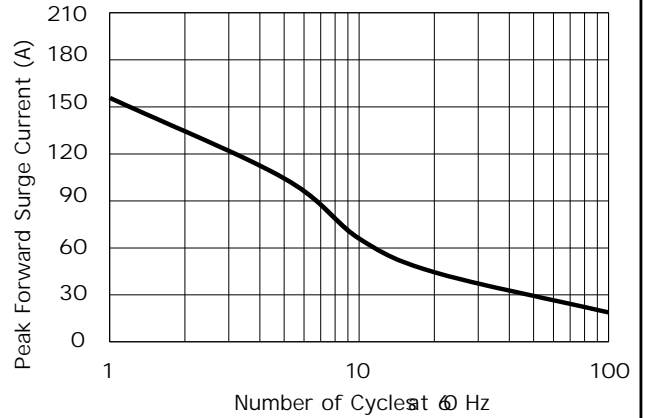
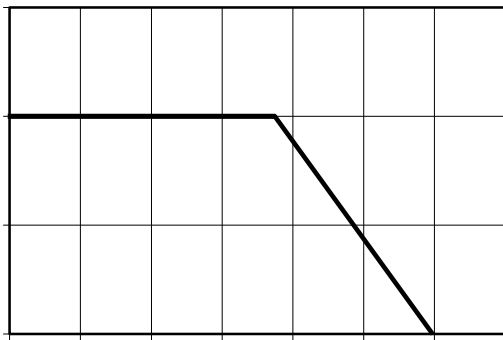
Parameter		Symbol	Limit		Unit
Maximum repetitive peak reverse voltage		VRRM	100		V
Maximum average forward rectified current	per device	IF(AV)	10		A
Peak forward surge current 8.3 ms single half sine- wave superimposed on rated load per diode		IFSM	160		A
Operating junction and storage temperature range		TJ, TSTG	-55 to +150		°C
Typical thermal resistance per leg	TO-220AB	R _{JC}	2		°C/W
	ITO-220AB		4		°C/W
Instantaneous forward voltage per diode			TYP.	MAX.	V
	IF=2A	TJ=25°C	0.44	0.50	
	IF=2A	TJ=125°C	0.39	-	
	IF=10A	TJ=25°C	0.63	0.70	
Instantaneous reverse current per diode at rated reverse voltage	TJ=25°C		-	50	µA
	TJ=125°C		-	10	mA

Notes:

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

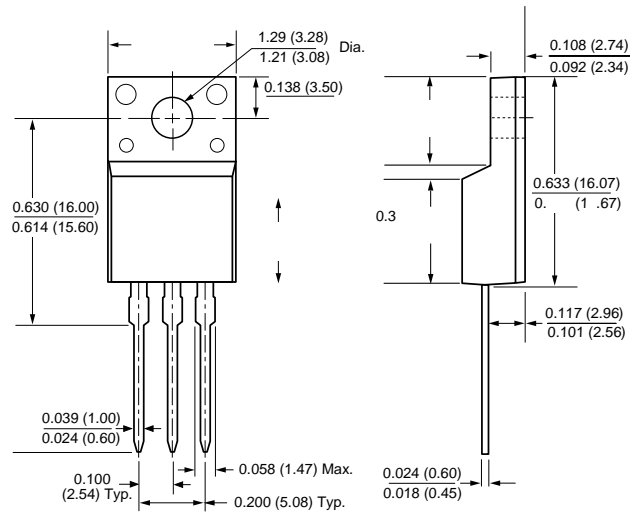
(2) Pulse test: Pulse width ≤ 40 ms

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

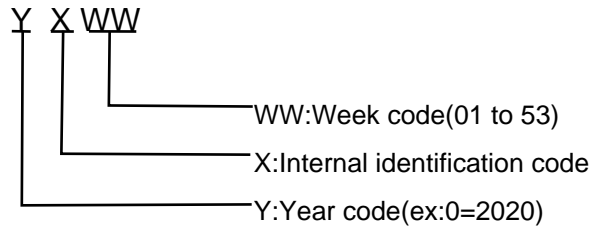


TSR L10 CT / CTF Schematic Symbols

PACKAGE OUTLINE DIMENSIONS



- ①W : Company's trademark
- ②Product model : TSR10L100CT or TSR10L100CTF
- ③PDC information



1.Tube Dimensions

2.Inside Box

3.Outside Box

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