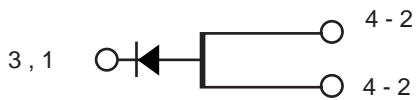
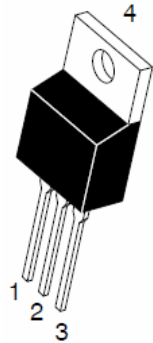


Trench OS Carrier Schottky Rectifier

TO-220AB
 TSR10L1 0 & 7-S

ITO-220AB
 TSR10L1 0 & 7)-S



Features

- † 100V
- † 10A
- † 100V
- † 10A
- † 100V
- † 10A
- † 100V
- † 10A

Applications

- † 100V
- † 10A
- † 100V
- † 10A
- † 100V
- † 10A

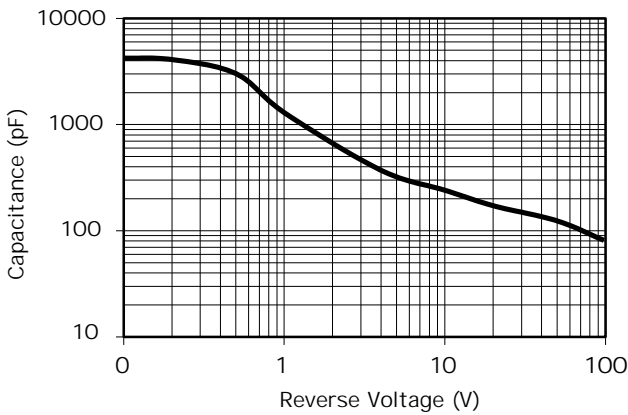
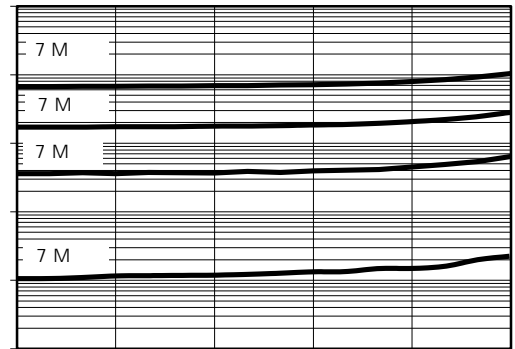
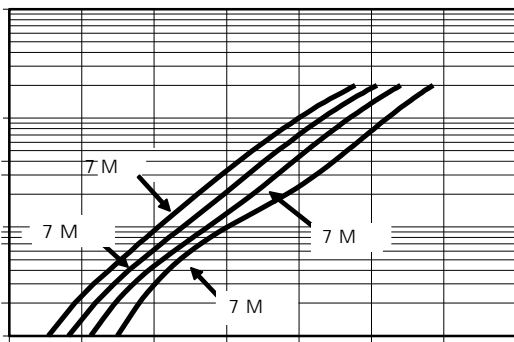
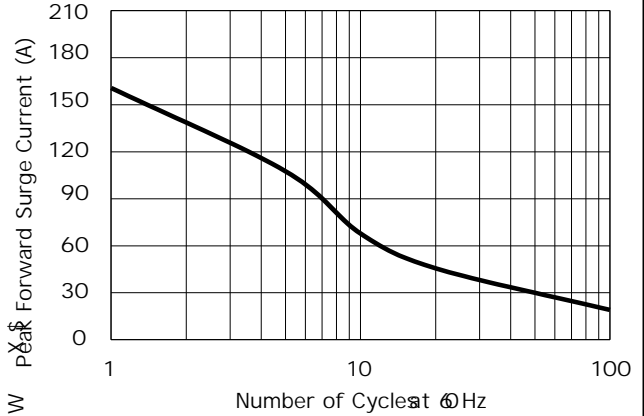
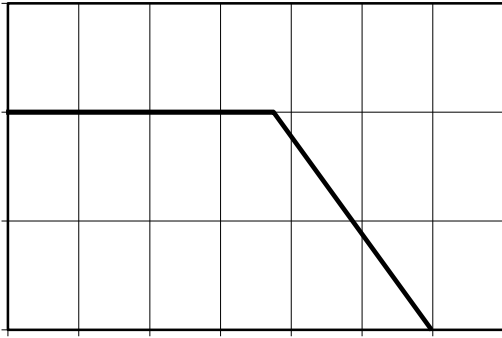
Maximum ratings and electrical characteristics (T_J = 25°C unless otherwise noted)

Parameter		Symbol	Limit	Unit
Maximum repetitive peak reverse voltage		V _{RR}	150	V
Maximum average forward rectified current	per device	I _{F(AV)}	10	A
Peak forward surge current 8.3 ms single half sine-wave superimposed on rated load per diode		I _{FS}		A
Storage temperature range		T _{STG}	-55 to 175	°C
Junction temperature range		T _J	-55 to 175	°C
Instantaneous forward voltage per diode	IF=2A TJ=25°C	V _{F(1)}	0.8	V
	(1) 100µs		0.9	
	(2) 1ms		1.0	
	(3) 10ms		1.1	
Reverse recovery time		t _{rr}	50	ns
Reverse recovery charge		Q _{rr}	10	nC

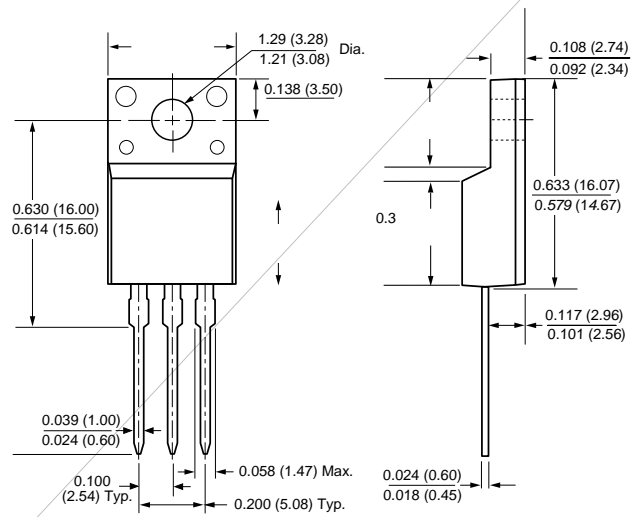
1RWW

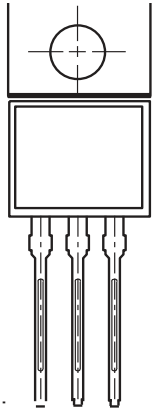
- (1) Pulse test: 300 µs pulse width, 1 % duty cycle
- (2) Pulse test: Pulse width ≤ 40 ms

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

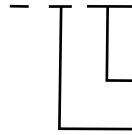


PACKAGE OUTLINE DIMENSIONS





765 / & 7or TSR10/ CTF

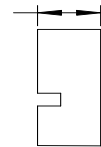
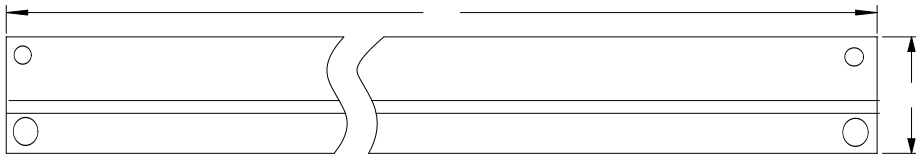


: :HHN FRGH WR

; ,QWHUQDO LBRQWLILFDWLRQ

< <HDU FRGH H[

7XEH 'LPHQVLRQV



,QVLGH %R[

2XWVLGH %R[

3DFNDJLQJ ,QIRUPDWLRQ

12	81,	7XEH 'LPHQVLRQV			,QVLGH %R[2XWVLGH %R[
6L]H	PP	\$	%		/	:	+	/	:	+
47<	3&6	3&6 7XEH			6PDOO SDVWDJH3&6 WXEORWDO			3&6 FDUERGLW		
1RWH		7ROHUDQFH PP" PP			PP" PP			PP" PP		