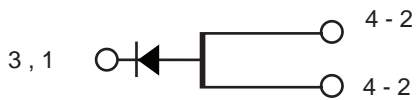
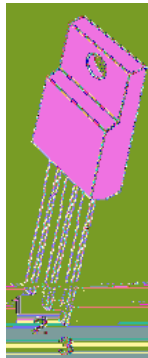
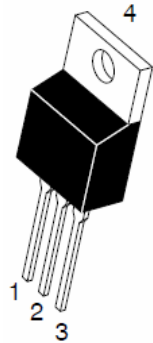


Trench OS Carrier Schottky Rectifier

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

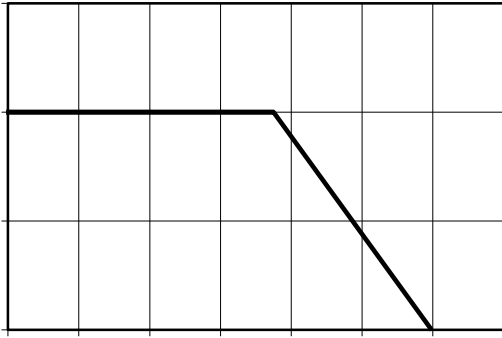
Maximum ratings and electrical characteristics (T_J = 25°C unless otherwise noted)

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		0.8	
	(2) 10µs		0.8	
	(3) 1µs		0.8	
Reverse recovery time		t _{rr}	75	ns
Reverse recovery charge		Q _{rr}	10	nC

1RWW

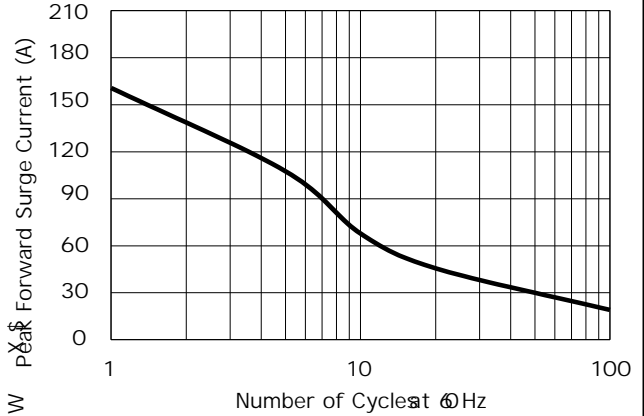
- (1) Pulse test: 300 µs pulse width, 1 % duty cycle
- (2) Pulse test: Pulse width ≤ 40 ms

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



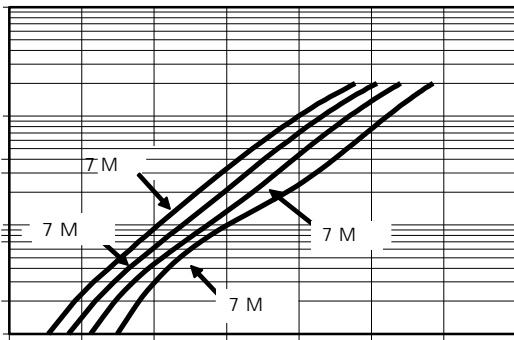
7 F & DVH^R & 7 HPS

$\mu \text{A} \text{ vs } \text{V}$



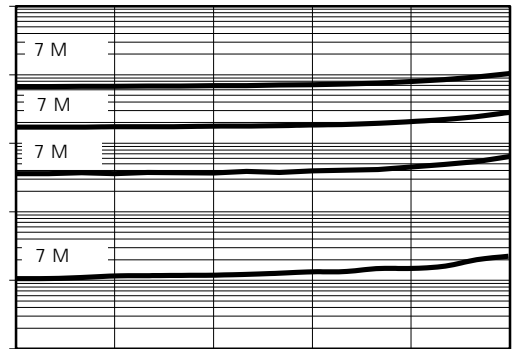
Peak Forward Surge Current (A)

Number of Cycles at 60Hz

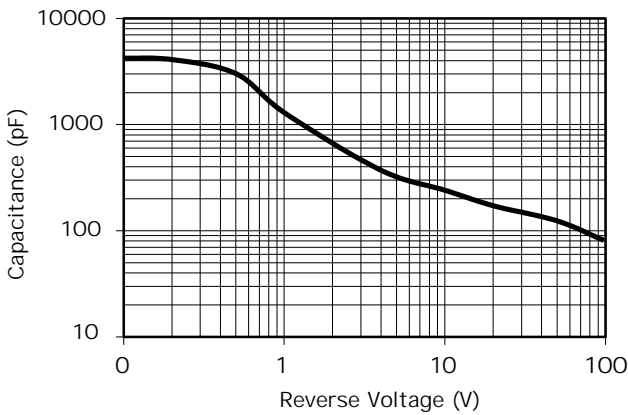


91 , QVWDQWD (HROXWD) RU ZPUG

$\text{d} \zeta \%] \text{ o } \& \} \text{E} \text{ \AA } \text{E} \text{ s } \} \text{o} \text{ \AA } \text{P} \text{ d} \zeta \%] \text{ o } \text{Z} \text{ \AA } \text{E} \cdot \mu \text{E} \text{E} \text{ v}$

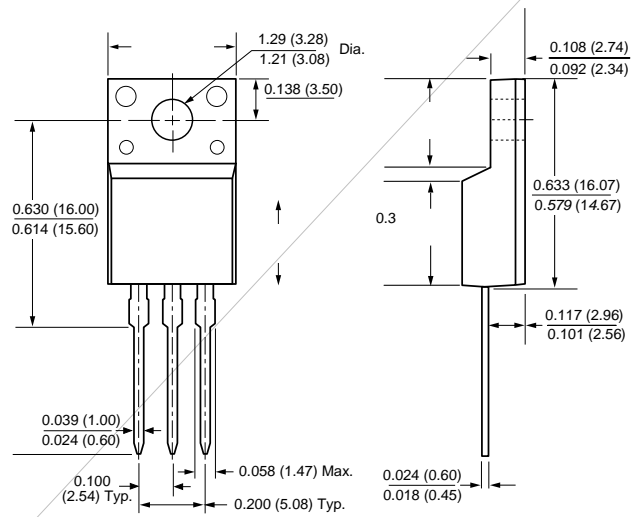


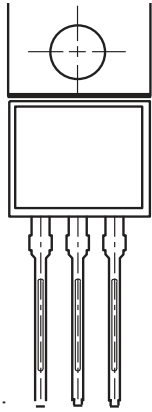
95 5HYHUVH 9ROWDJH 9ROW



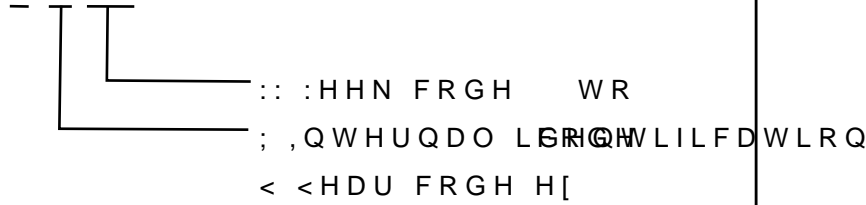
$\text{d} \zeta \%] \text{ o } : \mu \text{v} \text{ \AA } \} \text{v} \text{ \% }] \text{ \AA } \text{v}$

PACKAGE OUTLINE DIMENSIONS

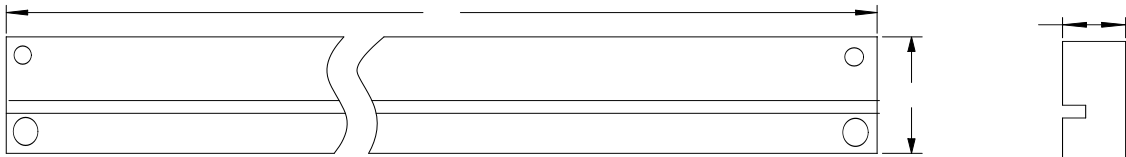




765 / & 7or TSR10/ CTF



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		