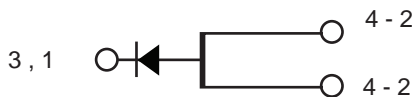
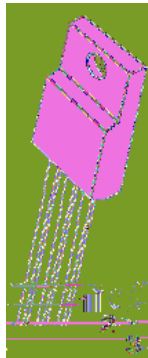
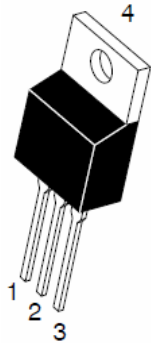


Trench OS Carrier Schottky Rectifier

TO-220AB
TSR L1 & 7-S

ITO-220AB
TSR L1 & 7)-S



Features

- † 100V
- † 100V
- † 100V
- † 100V
- † 100V
- † 100V

Applications

- † 100V
- † 100V
- † 100V
- † 100V

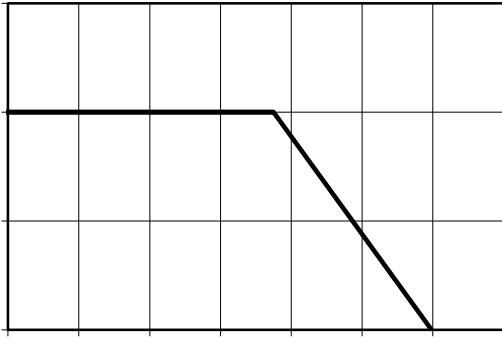
Maximum ratings and electrical characteristics (T_J = 25°C unless otherwise noted)

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
2500V			WR	
70% (typical)		R _{θJC}	2	°C/W
			4	°C/W
Instantaneous forward voltage per diode	IF=2A	VF(1)	T.P.	9
	TJ=25°C		A.	
	(1)			
	(2)			
100V		VF(5)		X
				P

100V

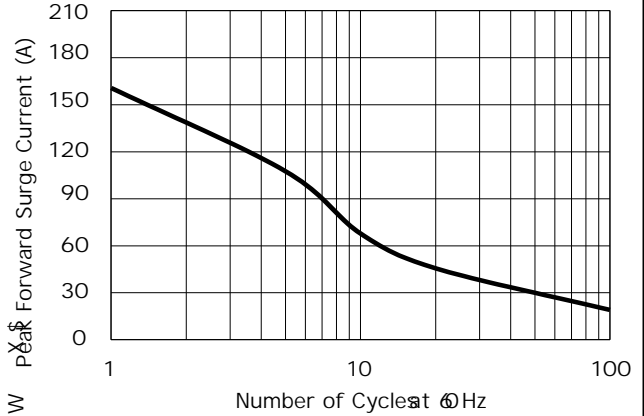
- (1) Pulse test: 300 μs pulse width, 1% duty cycle
- (2) Pulse test: Pulse width ≤ 40 ms

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

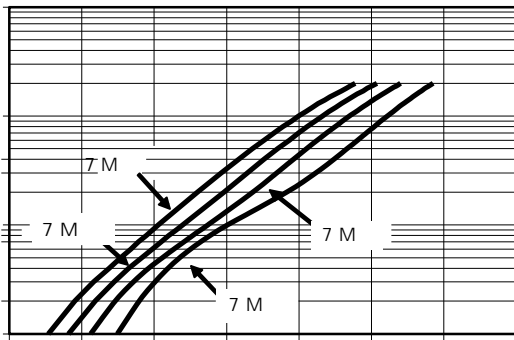


7 F & DVH^R & 7 HPS

μ A v s A s v P U

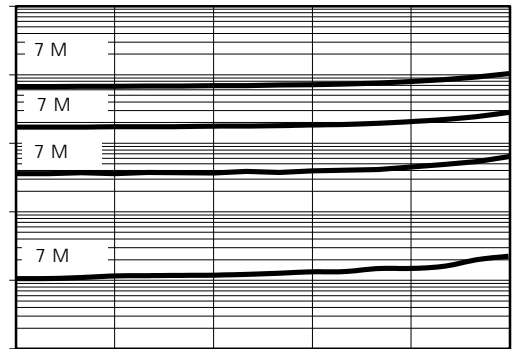


Peak Forward Surge Current (A) vs. Number of Cycles at 60 Hz

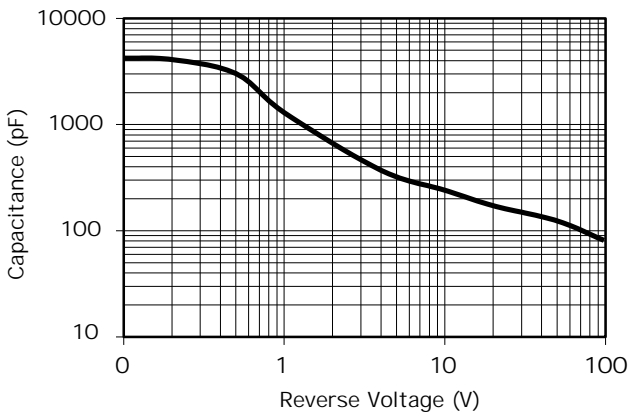


91 , QVWDQWD (HROXWD) RU ZPUG

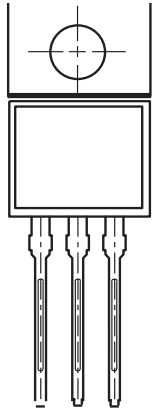
d C $\%$ $]$ o $\&$ $\}$ A A E s $\}$ o s P d C $\%$ $]$ o Z A A E \cdot μ A E v



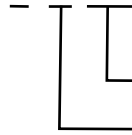
95 5HYHUVH 9ROWDJH 9ROW



d C $\%$ $]$ o : μ v s $\}$ v $\%$ $]$ s v



765 / & 7or TSR10/ CTF

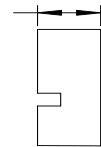
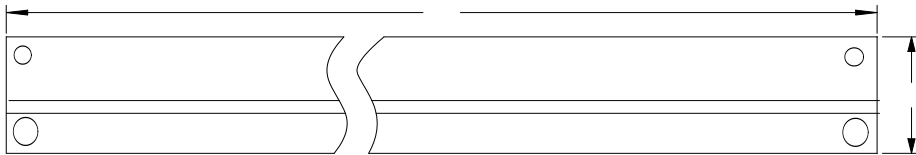


: :HHN FRGH WR

; ,QWHUQDO LBRQW LILFDWLRQ

< <H DU 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		