

7 UHQFK 026 %DUULHU 6FKRWWN\ 5H

**TO-220AB**  
TSR / &7



**ITO-220AB**  
TSR / &7F



**Features**

- ‡ \$GYDQWUHQFK WHFKQRORJ\
- ‡ /RZRZDWRGWDJH GURS
- ‡ /RZRZDWRVHV
- ‡ +LJKILFLHQF\ RSHUDWLRO
- ‡ /HDGH)HLQLVK &R#6OLDQW

**Applications**

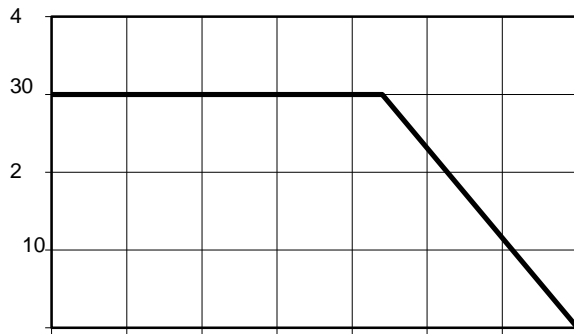
- ‡ '&' & RQYHUWHUV
- ‡ \$&' & \$GDSWRUV
- ‡ 6ZLWFKRZDIXSSOLHV
- ‡ )UHHZKH'HLRGLQJ

**Maximum ratings and electrical characteristics (T<sub>J</sub> = 25°C unless otherwise noted)**

3DUDPHWHU		6\PERO	/LPLW	8QLW
0D[LPXPVSHUNYHYURQHW DJH		9550		9
0D[LPXPYHURJHZDUG UFXEWHIHWG	GHYLFH SHGLRGH	,) \$9		\$
3HDN IRVZDWRVUHQW VLQDQHQH ZDYH VXSHULPSRVHGRFSGUDRCHG		,)60		\$
2SHUDMXQDQWRWRUDJH WHPSHUDW	XUHWRDJH	WR75		f&
7\SLFVCHUPDO USHVULVQHDQFH	72 \$% ,72 \$%	5\$-&		f& : f& :
,QVWDQWDQHRXUWRUDJH SHGLRGH	,) \$	7- f&	7 < 3	0\$;
	,) \$	7- f&	1	76
	,) \$	7- f&	5	1.05
	,) \$	7- f&	8	
,QVWDQWDQHRXUWRUDJH UDWHYHYURQHW DJH	7- f&	,5		X\$
	7- f&			P\$

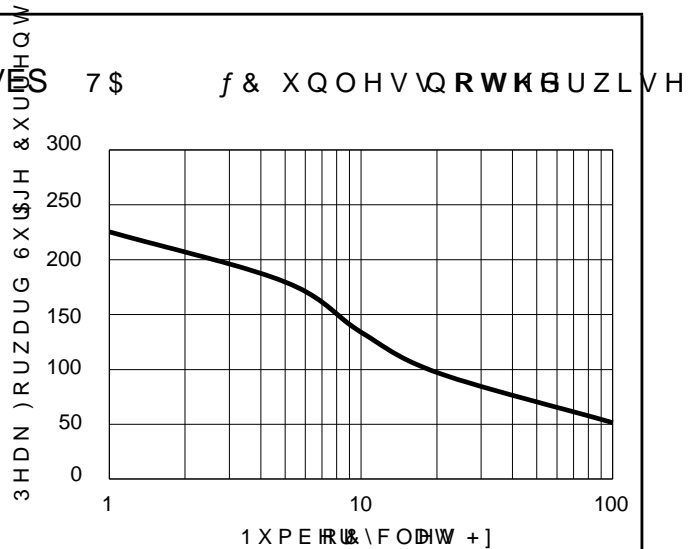
1RWHV  
3XOVH WHVWSXOVH ZLGWK GXW\F\FOH  
3XOVH WHVW 3XOVH ZLGWK 0 PV

RATINGS AND CHARACTERISTICS CURVES

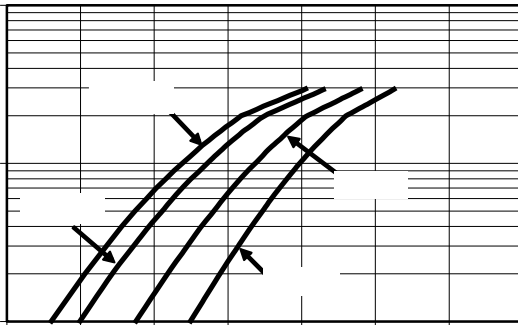


7 F & DVH 7 & HPS

Current Derating, Case

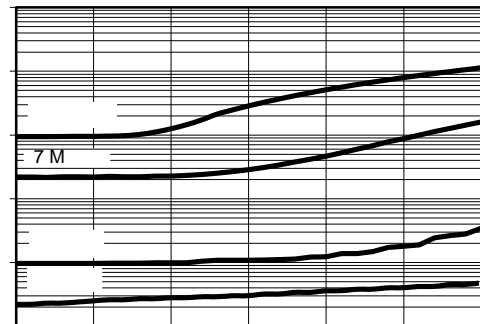


Maximum Repetitive Surge Current



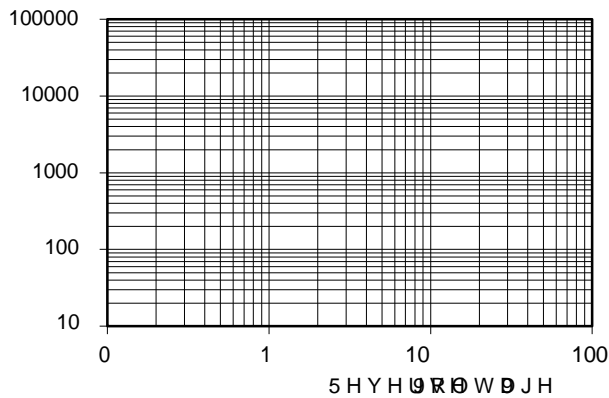
91 , Q V W D Q W D Q H S R O W ) D R J H Z D R U G

Typical Forward Voltage



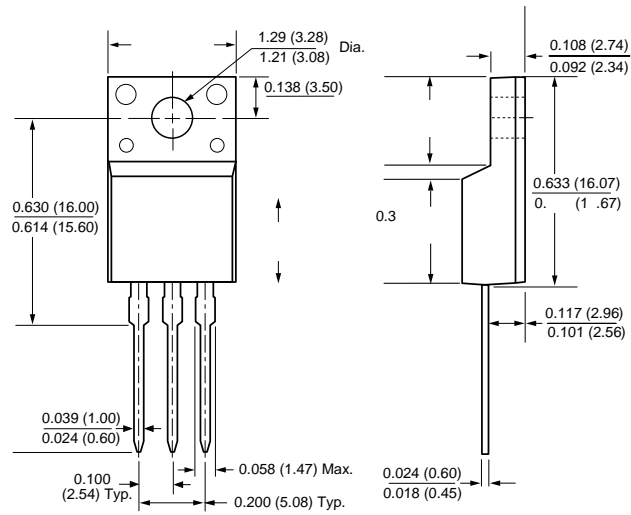
95 5 H Y H U V H 9 R O W D J H 9 R O W V

Typical Reverse Current

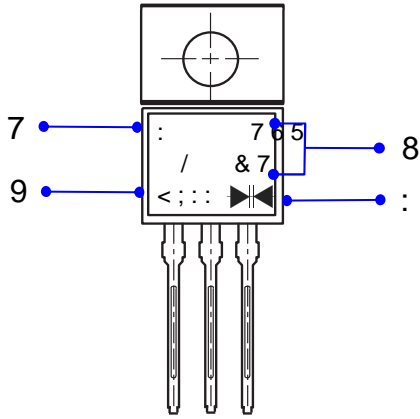


Typical Junction Capacitance

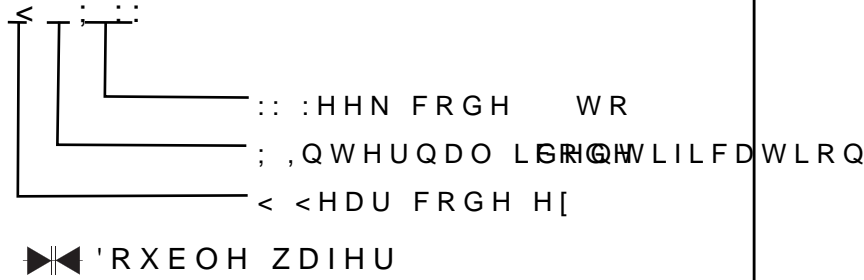
# PACKAGE OUTLINE DIMENSIONS



### 0DUNLQJ ,QIRUPDWLRQ

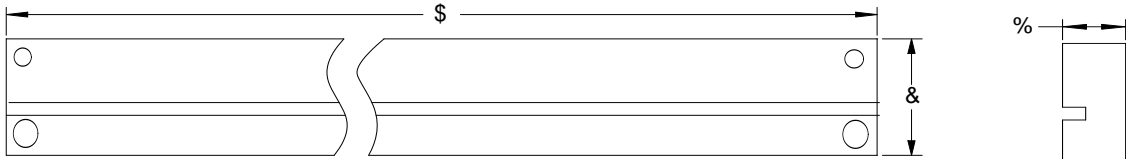


7 : &RPSDQ\ V WUDGHPDUN  
 8 3URGXFW 765 / &7) )  
 9 3' & LQIRUPDWLRQ



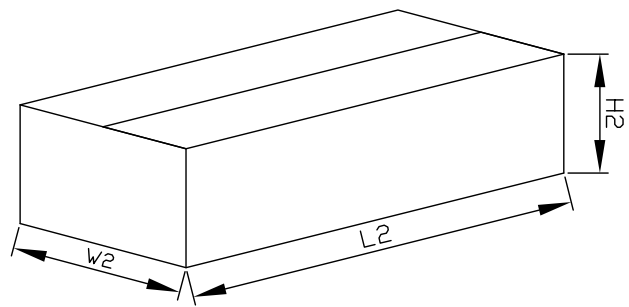
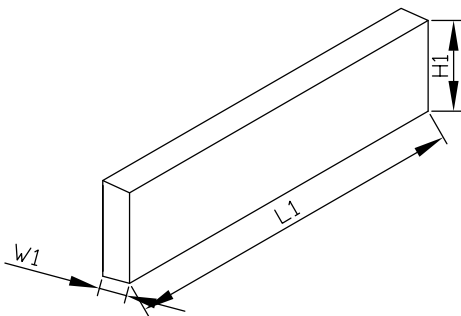
### 3DFNDJLQJ ,QIRUPDWLRQ

7XEH 'LPHQVLRQV



,QVLGH %R[

2XWVLGH %R[



### 3DFNDJLQJ ,QIRUPDWLRQ

12	81,	7XEH 'LPHQVLRQ			,QVLGH %R[			2XWVLGH %R[		
6L]H	PP	\$	%	&	/	:	+	/	:	+
47<	3&6	3&6 7XEH			6PDO SHVWDJH3&6 WXEORWDO			3&6 FDUERGLWRWDO		
1RWH	7ROHUDQFH PP" PP PP" PP PP" PP									