

765 / &7
765 / &7)

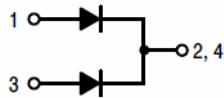
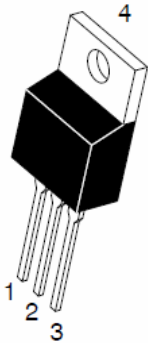
7UHQFK 026 %DUULHU 6FKRWWN\ 5H

72 \$%
765 / &7

,72 \$%
765 / &7)

)HDWXUHV

‡ \$GYDQWUHQFK WHFKQRORJ\
‡ /RZRUZVROWDJH GURS
‡ /RZRZURVVHV
‡ +LJKILFLHQF\ RSHUDWLRO
‡ /HDGH)HLQLVK &RPSOLDQW



\$SSOLFDWLRQV

‡ '& '& &RQYHUWHUV
‡ \$& '\$GDSWRUV
‡ 6ZLWFKRZHXSSOLHV
‡)UHHZKHHLRGLQJ

0D[LPXP UDWLQJV DQG HOHFWULFDJ& FXODDPRVHUQRVWHIGFV

3DUDPHWHU		6\PERO	/LPLW	8QLW
0D[LPXPVSHUNYHYURQWDJH		9550		9
0D[LPXPYHURJHZDUG UFXEWHIHWG	GHYLFH SHGLRGH	,) \$9		\$
3HDN IRVZDUEBUUHQW VLQDQH ZDYH VXSHULPSRVHGRFSCGLRCHG		,)60		\$
2SHUDMXQDQLRQWRUDJH WHPSHUDW	XUH 0DQJH	WR		f &
7\SLFVCHUPDO USHVULVQHDQFH	72 \$% ,72 \$%	5\$-&		f & : f & :
,QVWDQWDQHRROWRUJHZDUG SHGLRGH			7<3	0\$;
	,) 3\$	7- f&		
	,) 3\$	7- f&		
	,) \$	7- f&	3	8
	,) \$	7- f&	68	
,QVWDQWDQHRXUUSHVULVQHDQFH UDWHYHYURQWDJH		7- f&		X\$
		7- f&		P\$

1RWHV

3XOVH WHVWSXOVH ZLGWK GXW\FFOH

3XOVH WHVW 3XOVH ZLGWK 0 PV

5\$7,1*6 \$1' &+\$5\$&7(5,67,&6 &7859(6f& XQOHVQRWKB UZLVH

QVWDQWDQHRXV)RUZDUG &XUUHQW \$

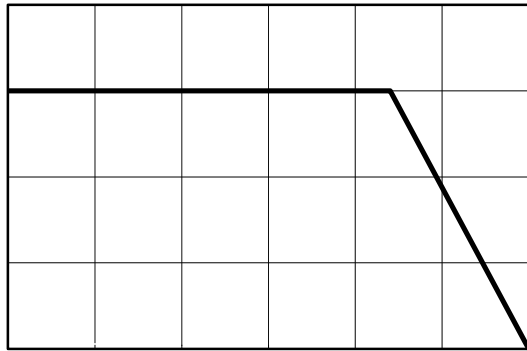


Figure 1: Current Derating, Case

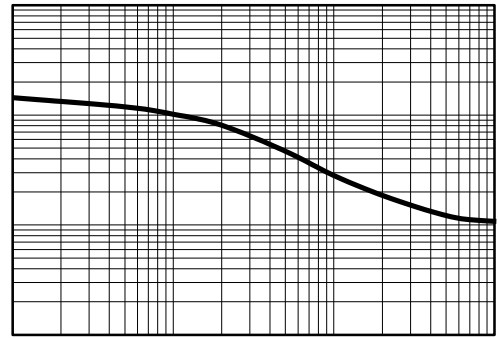
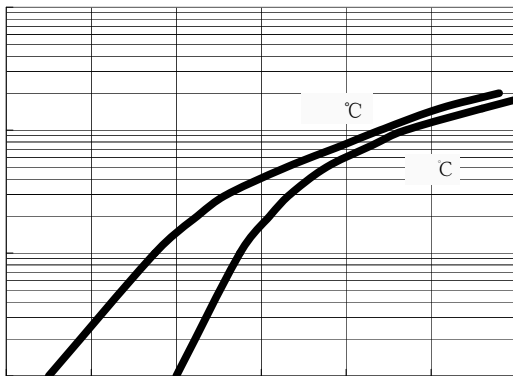


Figure 2: Typical Junction Capacitance



RUZDUG 9ROWDJH 9
LJXUH)RUZDUG &XUUHQW 'HU

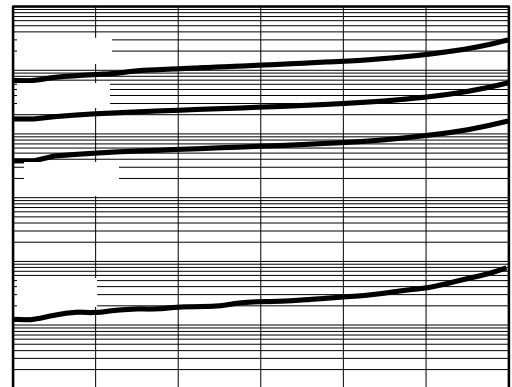
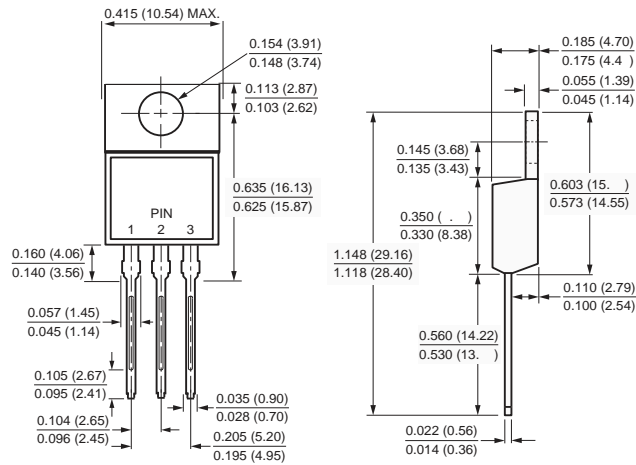


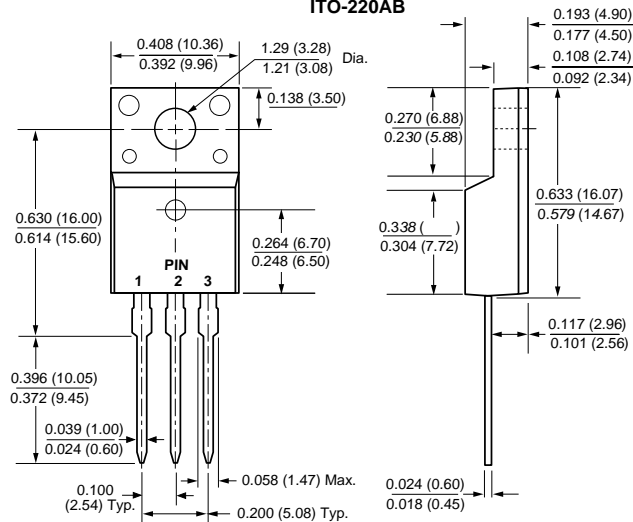
Figure 4: Typical Reverse Current

3\$&.\$*(287/,1(',0(16,216
1RWH XQLW ,Q PP

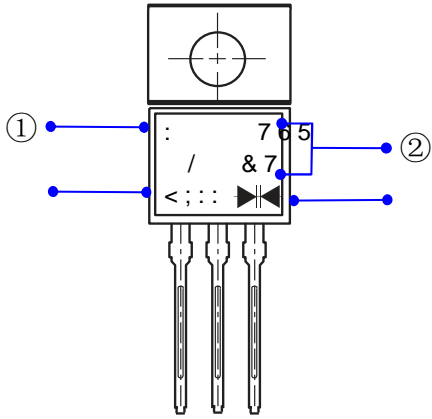
TO-220AB



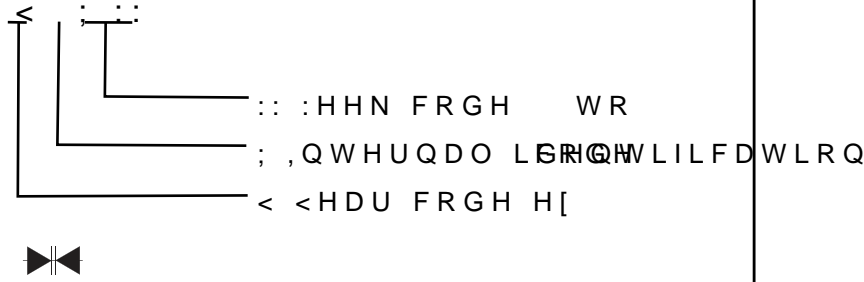
ITO-220AB



0DUNLQJ ,QIRUPDWLRQ

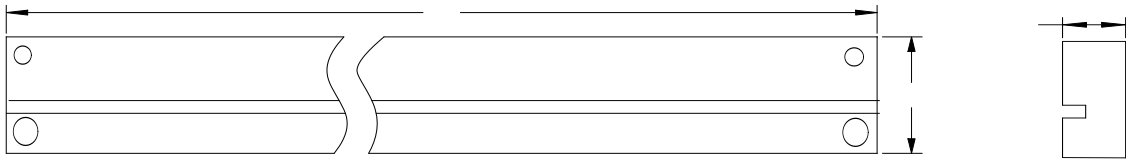


- ①
- ② 3URGXFW 765 & 7) RU 765 & 7)
- ③ 3' & LQIRUPDWLRQ



3DFNDJLQJ ,QIRUPDWLRQ

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 3DFNDJH3&6 WXE'WRWDO			3&6 FDUERGLW'WRWDO		
1RWH		7ROHUDQFH PP" PP			PP" PP			PP" PP		