

6SHFLDO)RU '& \$& 5HFWLILHU %U

3,11,1*

)HDWXUHV
 ‡*ODV D VVLY &KLSG FWLRQ
 ‡5HYHURDWDJH 9
 ‡)RUZDUG UHQW \$
 ‡+LJXU &XUUHQW DELOLW\
 ‡'HVLJQHGXURDRX \$S SOLFDWLRQ

%HQHILWV
 ‡&DVH6%
 ‡7HUPLGRGH3BH,OH7'
 ‡5HGXFHG SRZHU ORVV DQG VZLW
 WUDQVLRU

0D[LPXP DWLQQGOHFWKEDDFWHULVWLFV

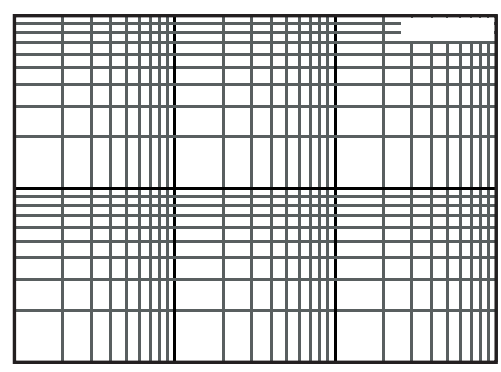
5DWLQVf &PEL MGHV SHUXDQXUMKHU\SLHFLILHG
 6LQJOH SKDVH KJ QIHZD VMLQYGH FORDYH DSDFLWEXHURDWH

3DUDPHWHU	6\PEROV	8QLWV
0D[LPXP 5HSHWLWLYH 3HDN 5955	DUVH 9ROWDJH	9
0D[LPXP 506	YROWDJH 9506	9
0D[LPXP '& %ORFNLQJ	9ROWDJH &	9
\$YHUDJH 5HFWLILHG	2XWSXW &RUUHQW	\$
5HYHUVH 5HFRYHU\ 7LPH ,) \$,5 \$,55 \$	7UU	Q2PÀ PEG ((+,
3HDN)RUZDUG 6XUJH &XUUHQW	PV 6LQJOH	\$
+DOI 6LQH :DYH 6XSHULPSRV, H60	RQ 5DWHG	
/RDG -('(& 0HWKRG		

UDWLQJ

5 \$ 7 , 1 * 6 \$ 1 ' & + \$ 5 \$ & 7 (5 , 6 7 , & 6 & 7 8 5 9 (6 X Q O H V V R W K H U Z L V H Q R W H G

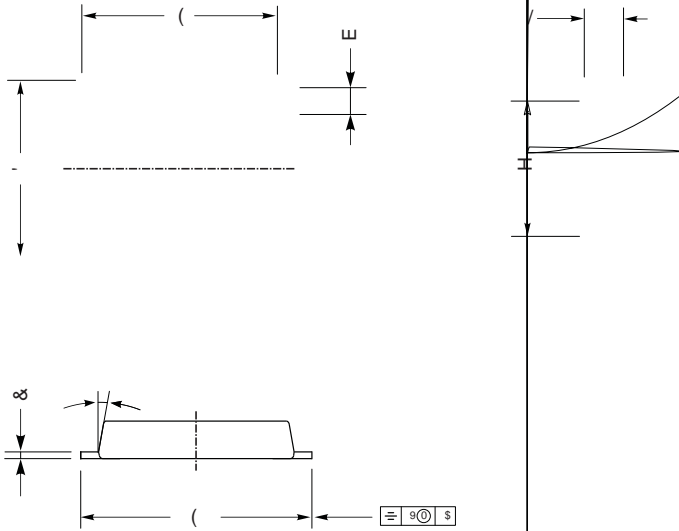
7 F & D V H 7 & P S
Current Derating, Case



Typical Junction Capacitance

2
9 5 5 H Y H U V H 9 R O W D J H 9 R O W V
Typical Reverse Current

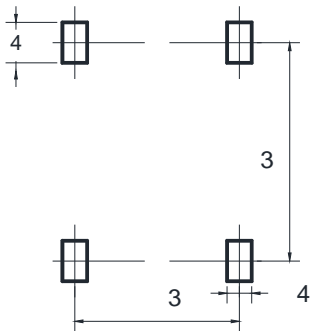
3 \$ & . \$ * (2 8 7 / , 1 (' , 0 (1 6 , 2 1 6



0 6 % P H F K D Q G L F W D

8 1 , 7		\$	&	'	((/	H	E	
PP	PD[f
	PLQ									
PLO	PD[
	PLQ									

0 6 % 6 X J J H V W H G 3 D G / D \ R X W



8 1 , 7		3	3	4	4
PP	PLQ				
PLO	PLQ				

' L P H Q V I L R / Q P L O O L P H W H U V

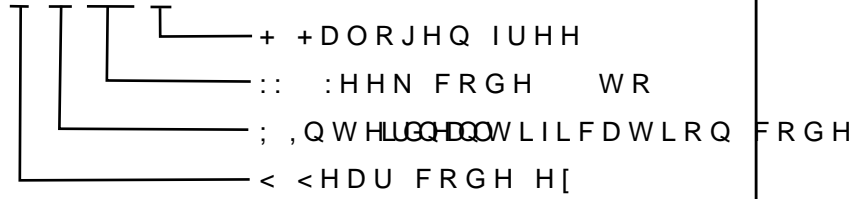
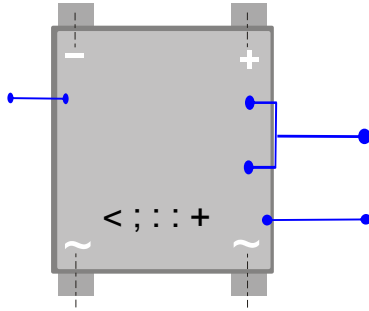
06% (

06% (

0\$5

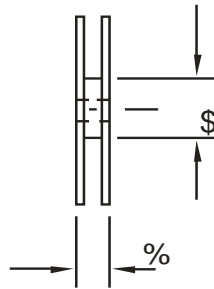
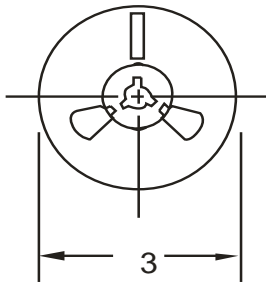
0DUNLQJ ,QIRUPDWLRQ

7



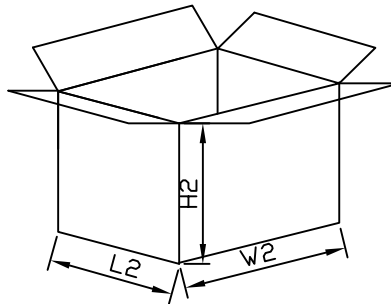
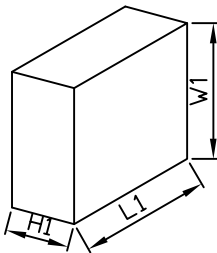
3DFNDJLQJ ,QIRUPDWLRQ

5HHO 'LPHQVLRQV



,QVLGH %R[

2XWVLGH %R[



3DFNDJLQJ ,QIRUPDWLRQ

12	81,	5HHO 'LPHQVLR			,QVLGH %R[2XWVLGH %R[
			\$	%	/	:	+	/	:	+
6L]H	PP									
47<	3&6	6PDOGHVFDJH3&6 UHHO			3&6 UHHO RWDO			3&6 FDUERQ RWDO		
1RWH		7ROHUDQFH PP" PP			PP" PP			PP" PP		