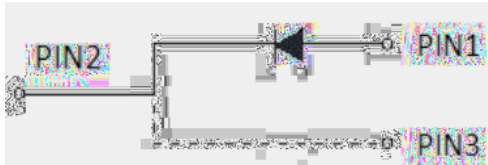




Silicon Carbide Schottky Diode

9 ₅₅₀	9
9A f &	\$
4&	Q &



Features

" 3RVLWLYH WHPSHUDWXUH FRHILFLHQW
" 7HPSHUDWXUH LQGHSHQGHHQW VZLWFKLQJ
" 0D[LPXP ZRUNLQJ WHPSHUDWXUH DW f &
" 8QLSRODU GHYLFHVDQG JHHRYHU\ FXUUHQW
" =HUR UHYHUVH UHFHYHU\ FXUUHQW
" (VVHQWLDQO\ QR VZLWFKLQJ ORVVHV
" 5HGXFWRQ RI KHDW VLQN UHTXLUHPHQWV
" +LJK IUHTXHQF\ RSHUDWRQ
" 5HGXFWRQ RI (0,

Typical Applications

7\SLFDO DSSOLFDWRQV DUH LQ SRZHU IDFW
LQYHUWHU XQLQWXSXSWRORUSGHUHV S
LQYHUWHU HOHFWULF FDU DQG FKDUJHU

Mechanical Data

" Package 72
0ROGLQJ FRPSRXQG PHHWV 8/ 9 IODPP
UDWLQJ 5R+6 FRPSOLDQW KDORJHQ IUHH
" Terminals 7LQ SODWHG OHGCV
" Polarity \$V PDUNHG

Maximum Ratings 7& 8QOHVV RWKHUZZLVH VSHFLILHG

PARAMETER	SYMBOL	UNIT	VALUE
'HYLFH PDUNLQJ FRGH			' % 4 *
5HYHUVH YROWDJH UHSHWLWLYH SHDN # 7 _M f &	9 ₅₅₀	9	
5HYHUVH YROWDJH 6XUJH 3HDN # 7 _M f &	9 ₅₆₀	9	
5HYHUVH YROWDJH ' & # 7 _M f &	9 &	9	
&RQLQXRXV IRUZDUG &FXUUHQW # 7	\$		
&RQLQXRXV IRUZDUG &FXUUHQW # 7 ₉			
&RQLQXRXV IRUZDUG &FXUUHQW # 7			
1RQ UHSHWLWLYH SHDN IRUZDUG VXUJH FXUUHQW # 7 _F f & WS PV +DOI 6LQH :DYH 9 ₆₀		\$	
3RZHU 'LVVLSDWLRQ # 7	3 ₇₂₇		:
3RZHU 'LVVLSDWLRQ # 7			
LW 9DOXH# 7F f & WS PV	GW	6\$e L	
2SHUDWLQJ MXQFWLRQ DQG 6WRUDJHWHPSHUDWXUH UDQJH 7WR			



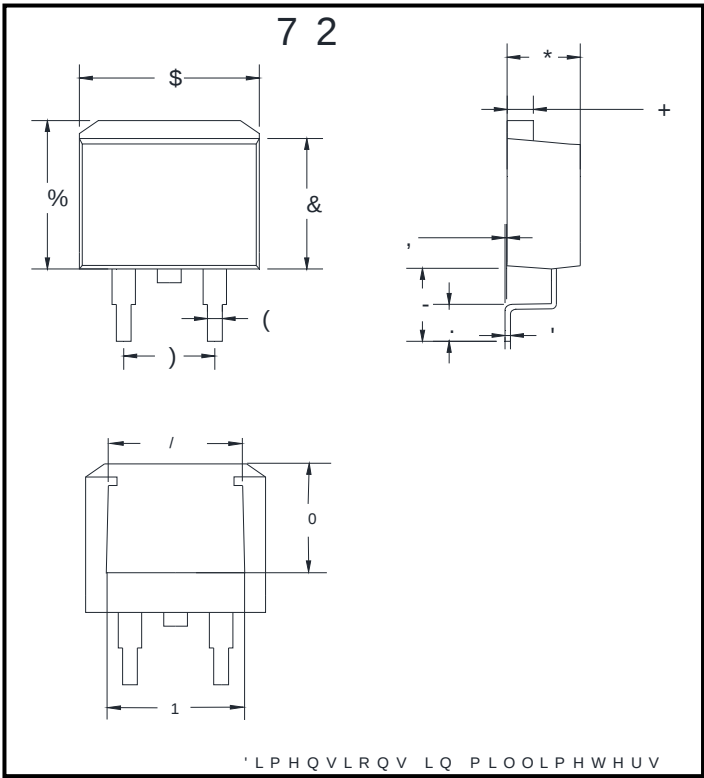
YJD106520BQG3

Electrical Characteristics

PARAMTETER	SYMBOL	UNIT	TEST CONDITIONS	Typ.	Max.
RUZDUG YROWDJH GURS			9 9 \$ M f &		
			9 9 \$ M f &		

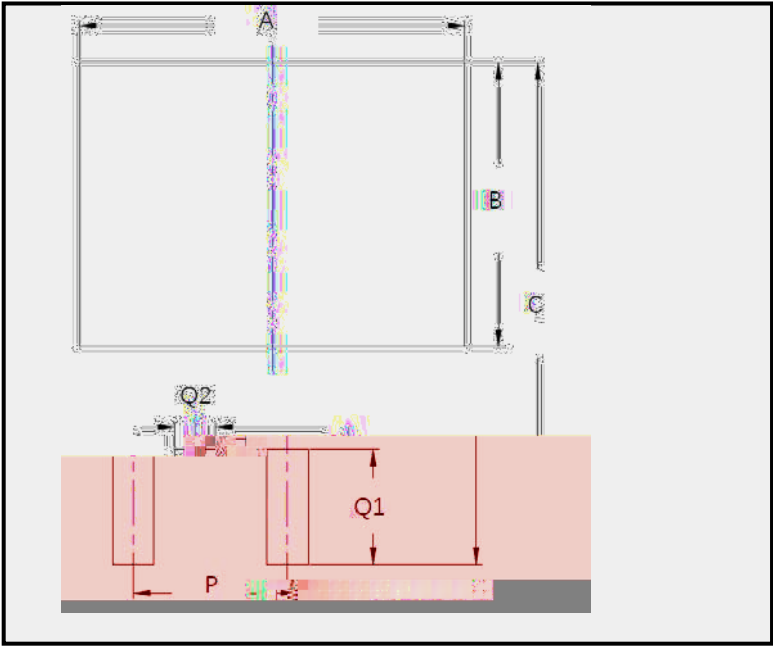


vOutline Dimensions



TO-263		
' L P	0 L Q	0 D
\$		
%		
&		
'		
(		
)		
*		
+		
,		
-		
.		
/		
0		
1		

vSuggested Pad Layout



Dim	Millimeters
\$	
%	
&	
3	
4	
4	



YJD106520BQG3

Disclaimer

7KH LQIRUPDWLRQ SQRHWKL V GRFXPHQW <DQJ]KRX <DQJMEH HOKHWORDL&R /VHG UHV
ULJKW WR PDNH FKDQJHV ZLWKRXW QRWLF