



Silicon Carbide Schottky Diode

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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 IRUZDUGFXUUHQW # 7	\$		
&RQLQXRXV IRUZDUGFXUUHQW # 7 ₉			
&RQLQXRXV IRUZDUGFXUUHQW # 7			
1RQ UHSHWLWLYH SHDN IRUZDUG VXUJH FXUUHQW # 7 _F f & WS PV +DOI 6LQH :DYH 9 ₆₀	\$		
3RZHU 'LVVLSDWIRQ# 7	3 ₇₂₇		
3RZHU 'LVVLSDWIRQ# 7			:
LW 9DOXH# 7F f & WS PV	GW	6\$e L	
2SHUDWLQJ MXQFWLRQ DQG 6WRUDJHWHPSHUDWXUH UDQJH 7WR			



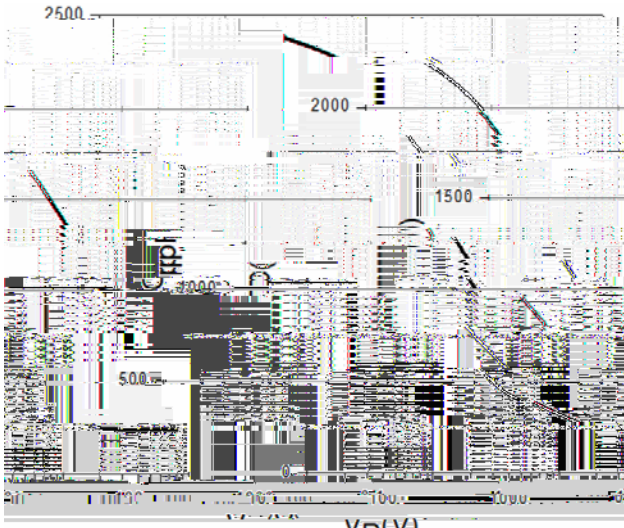
YJD106520BQG3

Electrical Characteristics

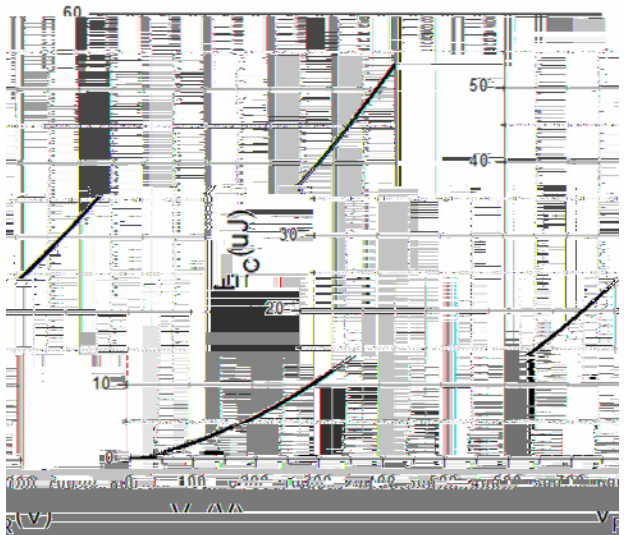
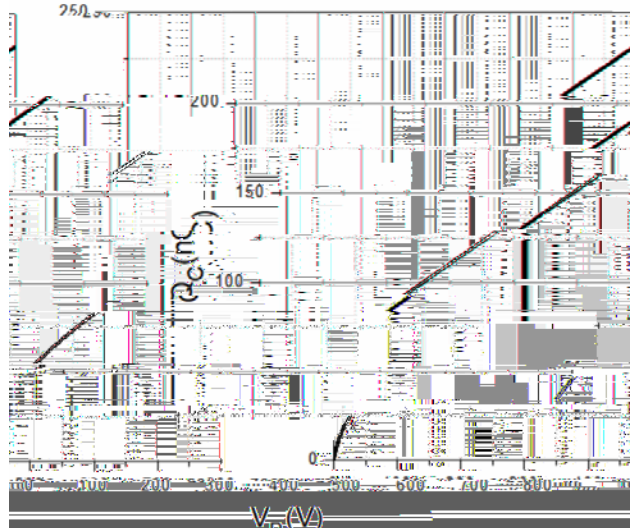
PARAMTETER	SYMBOL	UNIT	TEST CONDITIONS	Typ.	Max.
RUZDUG YROWDJH GURS			9 9		
			9 9		
			9 9		



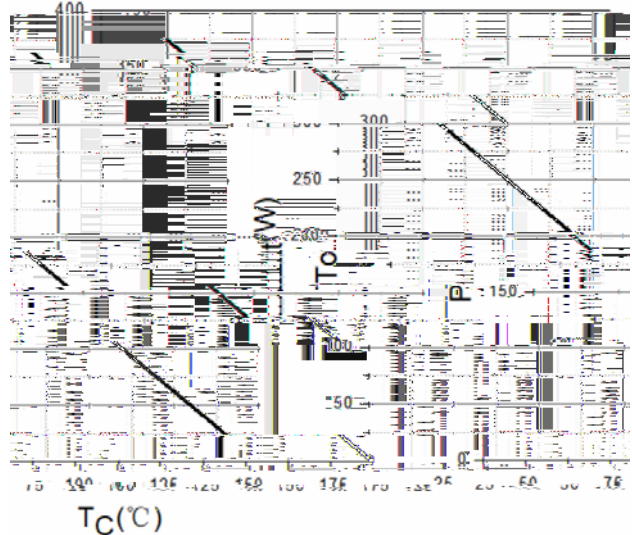
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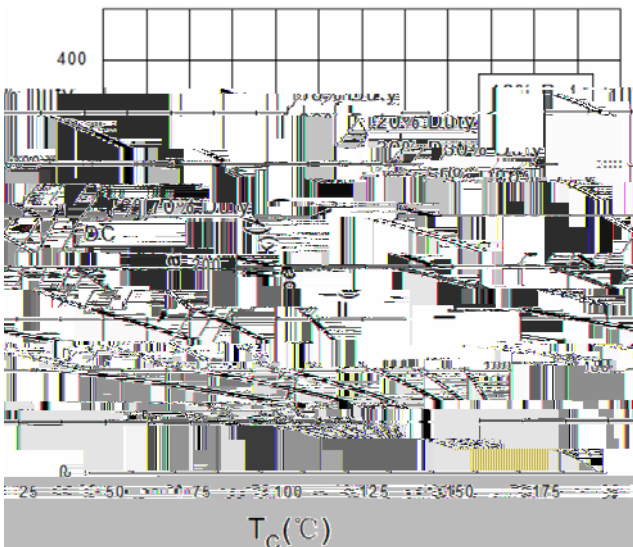
)LJXUH &DSDFLWDQFH9R0W5HY XUH 7RWDQJ&DSDFLWDQFH &KDUJH YV



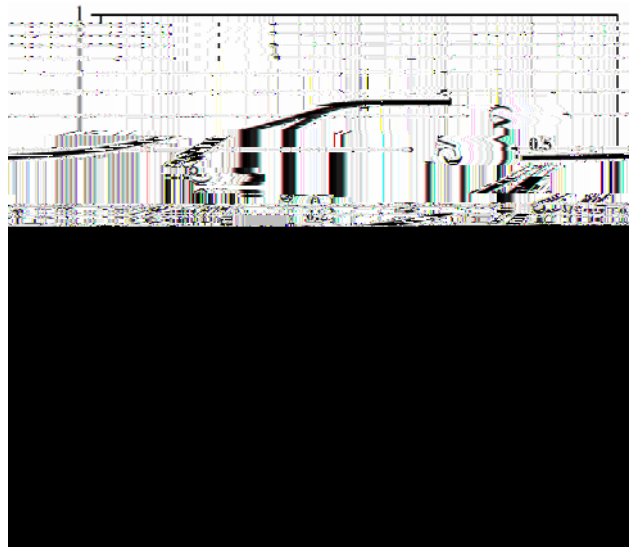
)LJXUH &DSDFLWDQFHJ6WRU



)LJXUH 3RZHU 'HUDW



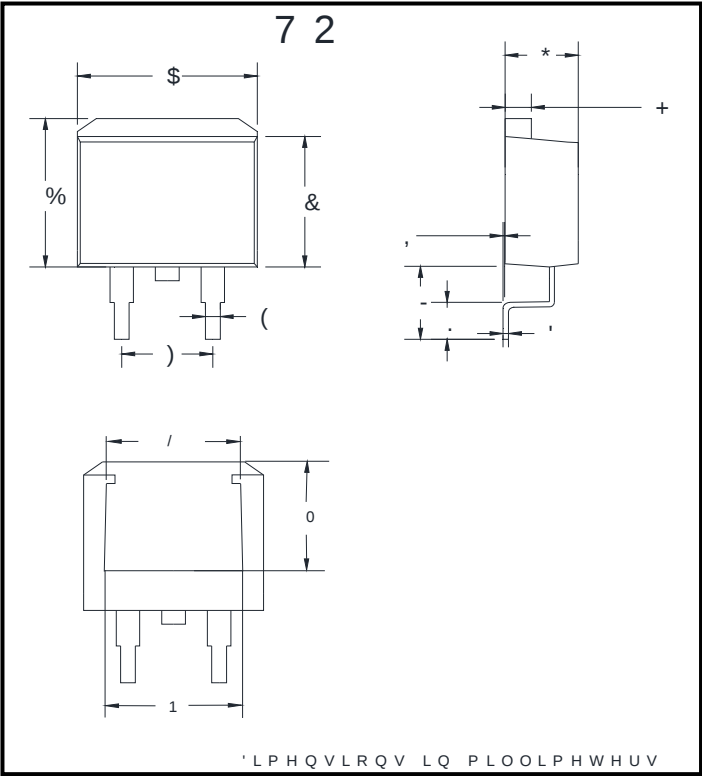
)LJXUH &XUJHQW 'HUDWLQ



)LJXUHJHQW7RWDQJ,PSHGDQFH

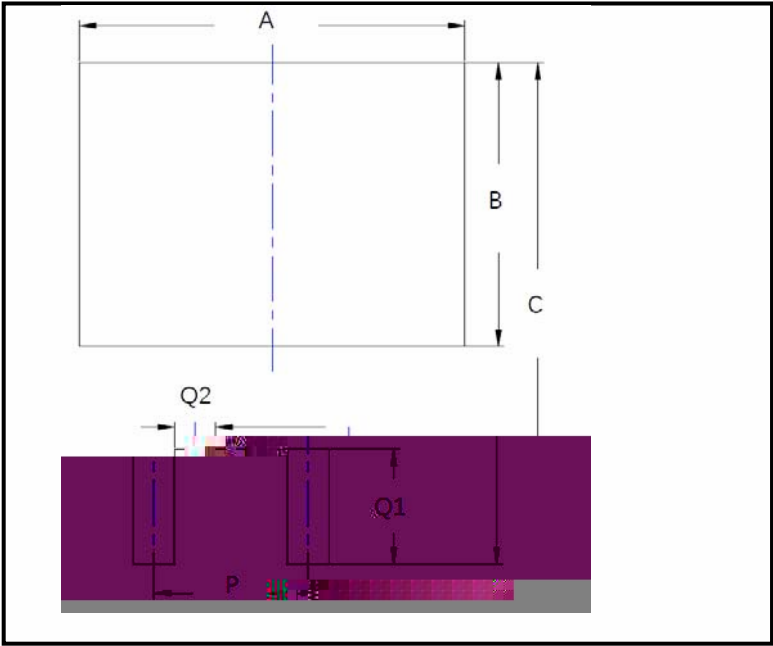


vOutline Dimensions



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vSuggested Pad Layout



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Disclaimer

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ULJKW WR PDNH FKDQJHV ZLWKRXW QRWLF