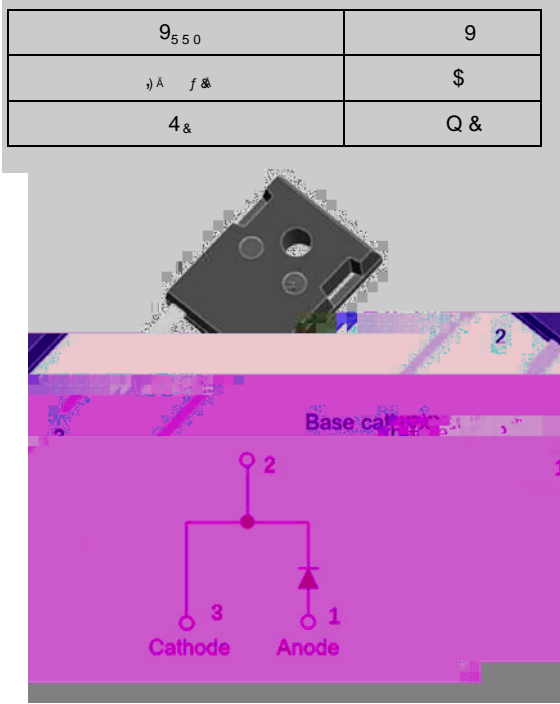


Silicon Carbide Schottky Diode



Features

- " 3RVLWLYH WHP SHUDWXUH FRHIILFLHQW
- " 7HPSHUDWXUH LQGSHQGHQW VZLWFKLQJ
- " 0D[LPPX ZRUNLQJ WHP SHUDWXUH DW $f &$
- " 8QLSRODU GHYLFHYHDOG JHURRYHU\ FXUUHQW
- " =HUR IRUFZDUGVURXUUHQW
- " (VVHQWLDQ\ QR VZLWFKLQJ ORVVHV
- " 5HGXFWRQ RI KHDW VLQN UHTXLUHPHQWV
- " +LJK IUHTXHQF\ RSHUDWRQ
- " 5HGXFWRQ RI (0,

Typical Applications

7\SLFDO DSSOLFDWRQV DUH LQ SRZHU IDFWRU
LQYHUWHU XQLQWXSXSWE R\WRU\ S\GZLUFHV S
LQYHUWHU HOHFWULF FDU DQG FKDUJHU

Mechanical Data

- " Package 72 \$ &
- " Terminals 7LQ SODWHG OHQGV
- " Polarity \$ V PDUNHG

Maximum Ratings

PARAMETER	SYMBOL	UNIT	VALUE
'HYLFH PDUNLQJ FRGH			14*
5HYHUVH YROWDJH UHSHWLWLYH SHDN # T_M $f &$	9 ₅₅₀	9	
5HYHUVH YROWDJH 6XUJH 3HDN # T_M $f &$	9 ₅₆₀	9	
5HYHUVH YROWDJH ' & # T_M $f &$	9 ₈	9	
&RQWLQXR XV IRUZDUG & FXUUHQW # 7 I_F $f &$ I_F $f &$			\$
1RQ UHSHWLWLYH SHDN IRUZDUG VXUJH FXUUHQW # T_F $f &$ WS PV +DOI 6LQH :DYH I_{FM} $f &$	9 ₆₀	\$	
3RZHU 'LVVLS-DWLRQ # 7 P_F $f &$ 7	3 ₇₂₇		:
LW 9DOXH# 7F $f &$ WS PV	GW	6\$e L	
2SHUDWLQJ MXQFWLRQ DQG 6WRUDJH UDJH 7WR			7WR

)LJXUH &DSDFLWBDQFH YROWDJH)LJXUH 7RWDO &DSDFLWDQFH &KDUJH

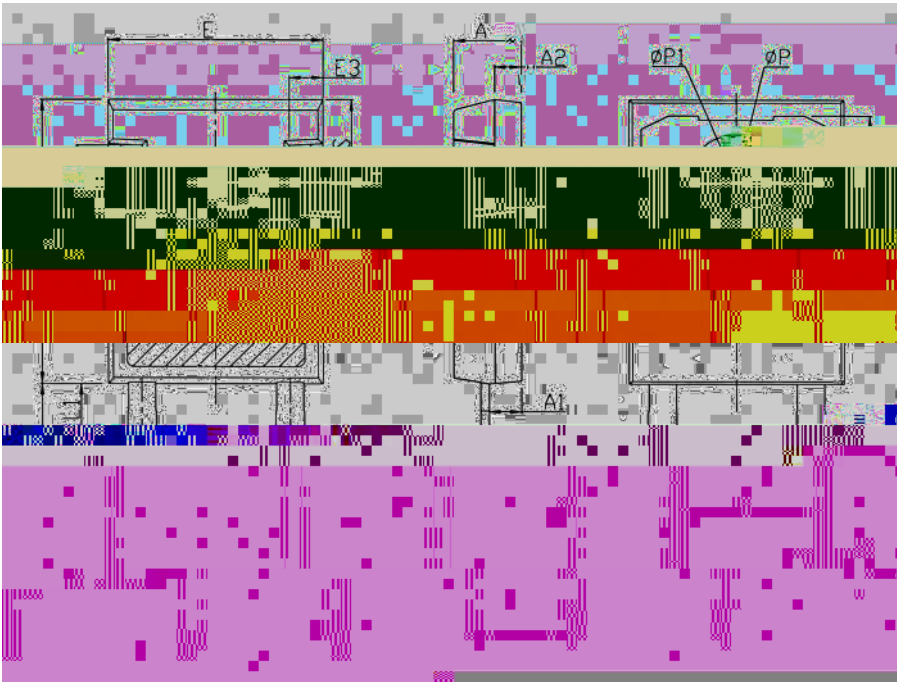
)LJXUH &DSDFLWDQFHJ6WRU)LJXUH 3RZHU 'HUDW

)LJXUH &XUUHQW 'HUDWLQ)LJXUH QW70KHUPDO ,PSHGDQ



YJD112010NQG2

Outline Dimensions



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YJD112010NQG2

Disclaimer

7KH LQIRUPDWLRQ V GHVFHQWV LQ WKH UDQGHU JKRQJ HDUHQJZ FKHFDUJUR &LF /VHG UHV
ULJKW WR PDNLWKRDXW IRU VSHFIRU RYVSLRQG R FWWV GLV SPSDURYGHKUHUGILDEWGLWV L JQQ F
RU RWKHUZLVH

7KH SURGXFWQLVGHV IJHGH WR EH HXWGHGZLRWK R HGHQSDPHQW RU GHYLFHWWKDG Q
HTXLSPHQW RU GHYLFHV ZKLFK UHTXLW KHKE DIO IZLWOL RQXIHGCGDEHGHWOK DFKQDOLIH
PHGLFDO LQVWUXPHQWV WDWLRQHUTRXLSPH RDXFKLHQ U UHDFWRHU FRQWURROGHV DQ
GHYLFHV <DQJMLHVRV DFKBQH DQVXRIV VARRWHOSRELVQIEWHVROVDLQJGIDRPPXMF K LP
RI VDOH

7KLV SXEOLFDFWRQ SVXSHUW DGHVLQURUPDXVLSRQ LSGHYRURXGGLWLRQDO LQWRUPDWLR
KWV ESZ \DQJMLHRFRFRQVXOW \RXU QHDUHW <DQJMLVHVDQVDFHOHV RILFH IRU IXUW