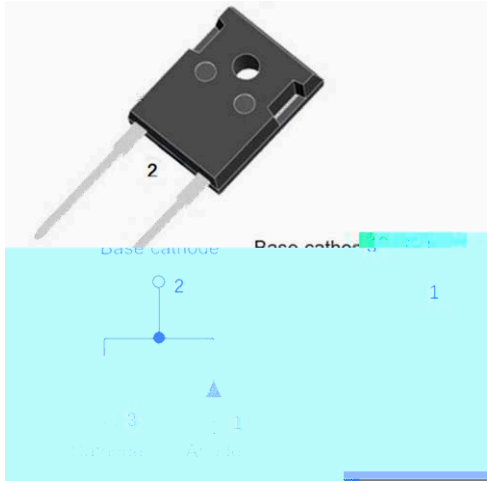


## Silicon Carbide Schottky Diode

9 <sub>550</sub>	9
) f &	\$
4&	Q &



### Features

- " 3RVLWLYH WHPSHUDWXUH FRHIILFLHQW
- " 7HPSHUDWXUH LQGSHHQGHQW VZLWFKLQJ
- " 0D[LPXP ZRUNLQJ WHPSHUDWXUH DW f &
- " 8QLSRODU GHYLFH YHDQG JHURRYHU\ FXUUHQW
- " =HUR IRUFZDUHQJ VFXUUHQW
- " (VVHQWLDOO\ QR VZLWFKLQJ ORVVHV
- " 5HGXFWLRQ RI KHDW VLQN UHTXLUHPHQWV
- " +LJK IUHTXHQF\ RSHUDWLRQ
- " 5HGXFWLRQ RI (0,

### Typical Applications

- 7\SLFDO DSSOLFDWLRQV DUH LQ SRZHU IDFW
- LQYHUWHU XQLQWXSXSWE ROR US RZHU HV S
- LQYHUWHU HOHFWULF FDU DQ — 7DÄVTCWDG™,!
- # 7

M f &	9 <sub>560</sub>	9	
5HYHUVH YROWDJH ' & # 7 <sub>M</sub> f &	9&	9	
&RQLQXRXV IRUZDUG f FXUUHQW	# 7		
&RQLQXRXV IRUZDUG f FXUUHQW	# 7 <sub>)</sub>		\$
&RQLQXRXV IRUZDUG f FXUUHQW	# 7		
1RQ UHSHWLWLYH SHDN IRUZDUG VXUJH FXUUHQW # 7& f & WS PV +DOI 6LQH :DYH )60			\$
3RZHU 'LVVLS&DWf &R# 7			
3RZHU 'LVVLS&DWf &Q# 7	3 <sub>727</sub>		

LW 9DOXH#f & WS P@0x0ó&A\$ H ó4\$ID,2.ó4rID™,€i(GIDy~#i(Q\*\$5FH ó dIDy~#i2!\$SC€iVTAS"G™,2.óeDIDy"H ú 4 i0À0 C



# YJD117010NYG5

## Electrical Characteristics

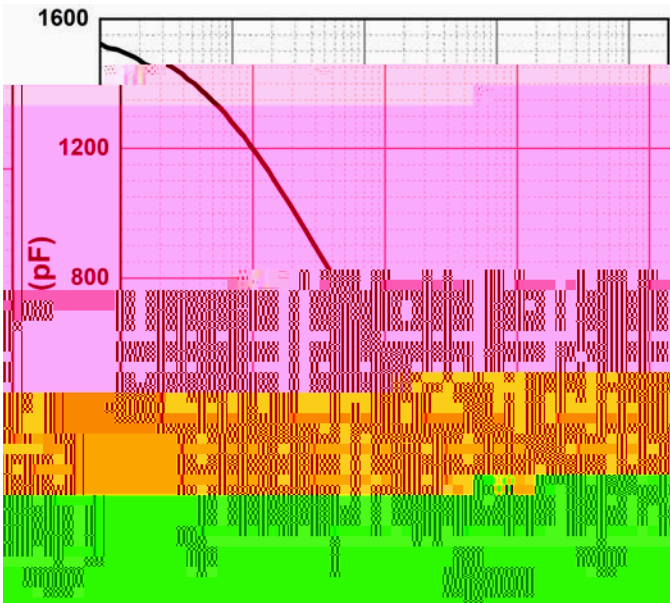
PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	Min.	Typ.	Max.
5HYHUVH YROWDJH	' & ' &	9 9	.5 P \$ M7 f &			
)RUZDUG YROWDJH	)	9	) \$ M7 f &			
			) \$ M7 f &			
5HYHUVH FXUUHQW	5	'	9s 9 M7 f &			
			9s 9 M7 f &			
7RWDO FDSDFLWLYH FKDUJH	)	'	9s 9 M7 f &			
			4 & 9 G9			

9s 9 1 0 + = [REDACTED] [REDACTED] PM f VdH5f%€ 8p y€ 8h

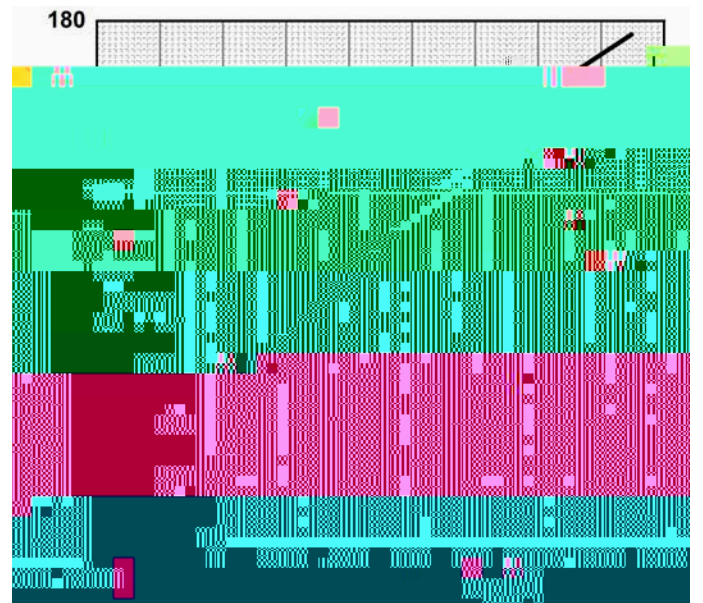
7RWDO FDSDFLWDQFH & S)



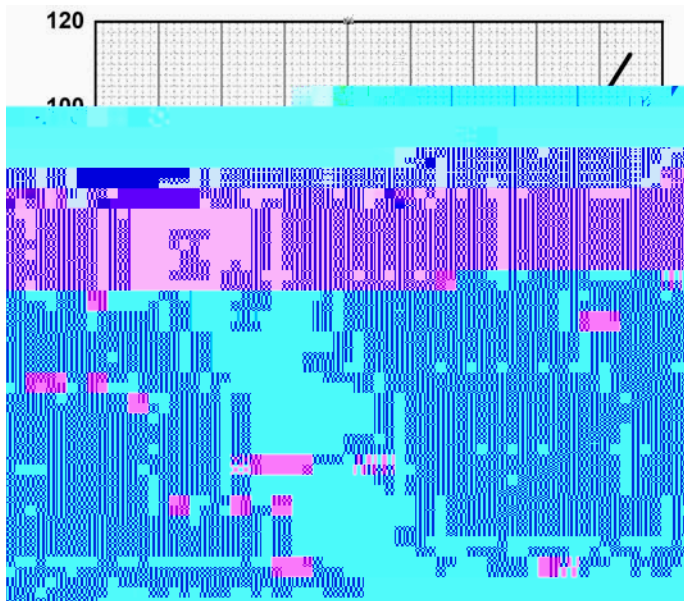
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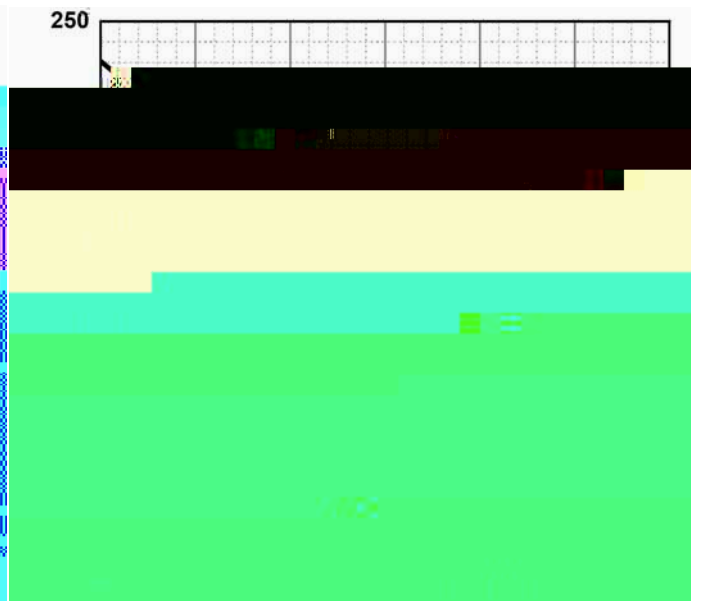
)LJXUH &DSDFLVMDQFH9R0W5HY



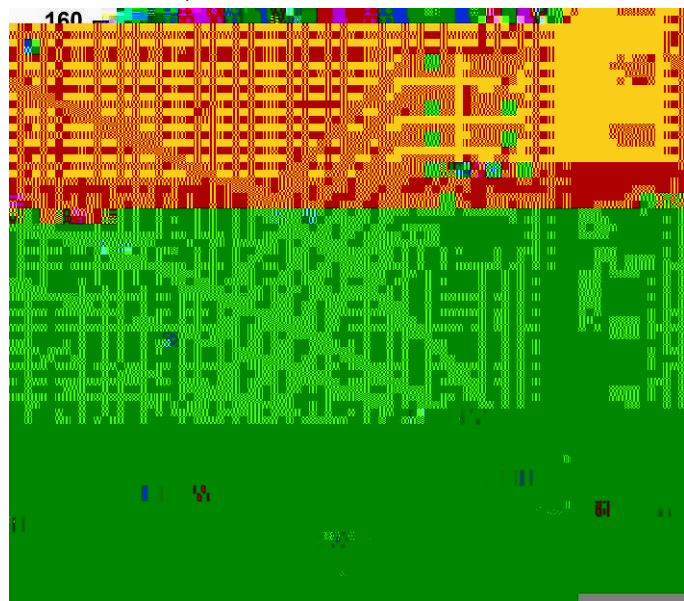
)LJXUH 7RWDO &DSDFLWDQFH &KDUJ



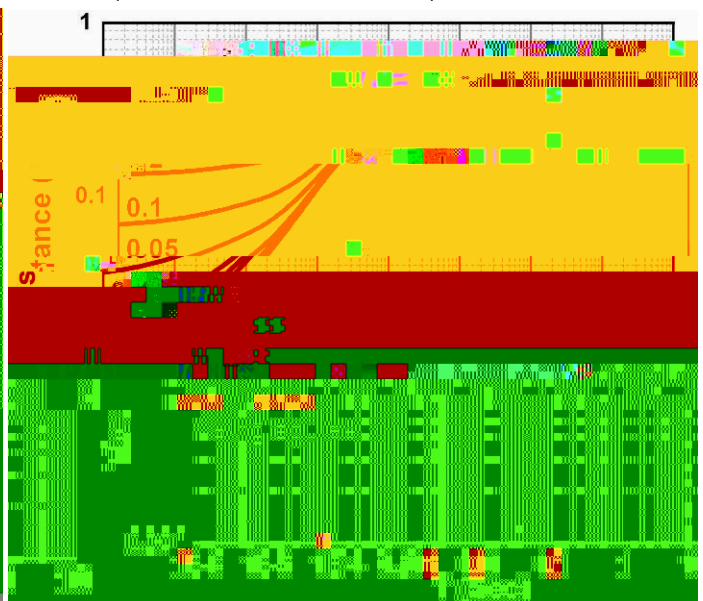
)LJXUH &DSDFLWDQFH 6WRUHG (QHUJ\



)LJXUH 3RZHU 'HUD



)LJXUH &XUUHQW 'HUDWLQ



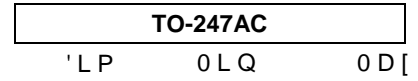
)LJXUH 7UDQVLHQW 7KHUP



# YJD117010NYG5

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## Outline Dimensions





Disclaimer

7KH LQIRUPDWLRQ V GHVFHQW G V LQ WRKUL JDHQ H JK RQF HDROO D Z HF (HQFFOVRUR Q LF /VHG UHV  
ULJKW WR PDNLHWKRDQW HQRZ V SH FIRU W R D WSLRFG R F WVV GLV SFO D RI YGHKWHU OIL D E W G G W V L J Q Q F  
RU RWKHUZLVH

7KH SURGXFW Q LV WGHV I K J H G WR EH HXOHHG WZLRQK R H G K Q S P H Q W RU GHYLFH W K D Q G Q  
HTXLSPHQW RU GHYLFHV ZKLFK UHTX LW KHKE DIO IOZ Q VW O Z R X D H C C D E H C H W O K D E K Q D O L I H  
PHGLFDO LQVWUXQW Q R U W W H D W L R Q H U T R X L S P H R Q F I O H O U U H D F W R H O F F R O W W U R R O O H W V D Q  
GHYLFHV <DQJMLH VRV E H K B Q H B Q V X R I O V W R R W H O S B R Q O I E W H V R O V D I Q J G I D R P J W M F K L P  
R I V D O H

7KLV SXEOLF DWLR Q S O X S F H U W I D G I O V L Q U R O A P D X S L S R Q L S G H Y R L R X D G G L W L R Q D O L Q W R H U P D W L R  
K W W [V S Z \ D Q J M L H R F R](#) P R Q V X O W \ R X U Q H D U H V W <DQJMLH V M I D Q V F D H O H V R I I L F H I R U I X U W