



# Silicon Carbide Schottky Diode

## Features

3 RVLWLYH WHP SHUDWXUH FRHILFLHQW  
 7HP SHUDWXUH-LQGSHQGHQW VZLWFKLQ  
 OD[LPXP ZRUNLQJ WHP SHUDWXUH DW 17  
 8QLSRODU GHYULFH YHVDUHQGUJHFURR HU\ FXUU  
 =HUR IRUZDUG UHFRYHU\ YROWDJH  
 (VVHQWLDOO\ QR VZLWFKLQJ ORVVHV  
 5HGXFWRQ RI KHDW VLQN UHTXLUHPHQW  
 \$(&-4101 TXDOLILHG  
 +LJK-IUHTXHQF\ RSHUDWRQ  
 5HGXFWRQ RI (O,

## Typical Applications

7\SLFDO DSSOLFWRQV DUH LQ SRZHU I  
 LQYHUWHU XQLQVXSUXSWLEWRIUSGLFHVHV  
 LQYHUWHU HOHFWULF FDU DQG FKDUJHU

## Mechanical Data

**Package** 72-247\$ &  
 OROGLQJ FRPSRXQG PHHWV 8/ 4 9-0  
 UDWRQJ 5R+6-FRPSOLDQW KDORJHQ-I  
**Terminals** 7LQ SODWHG OHDGV  
**Polarity** \$V PDUNHG

## Maximum Ratings

PARAMETER	SYMBOL	UNIT	VALUE
'HYLFH PDUNLQJ FRGH			'10655014*3

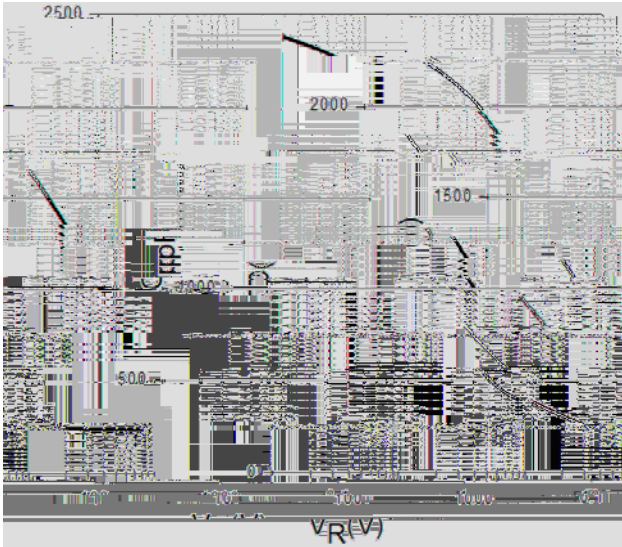


# YJD106550NQG3Q

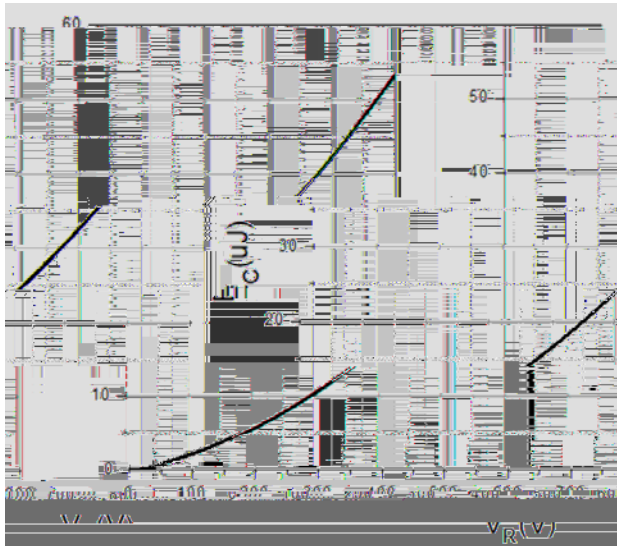
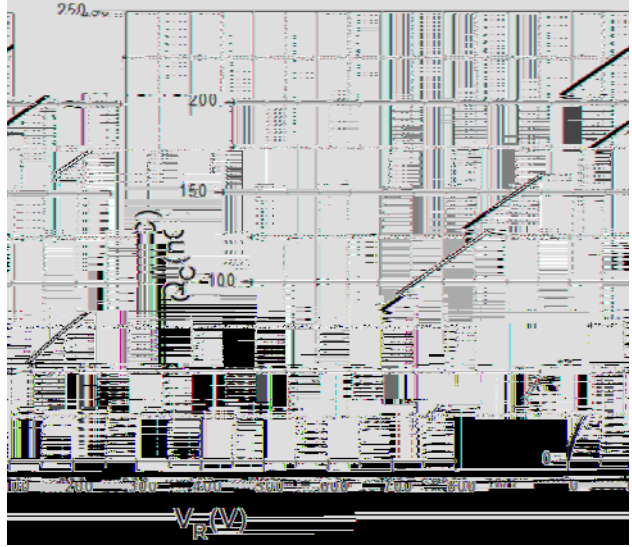
RoHS  
COMPLIANT

## Electrical Characteristics 3 H U / H J

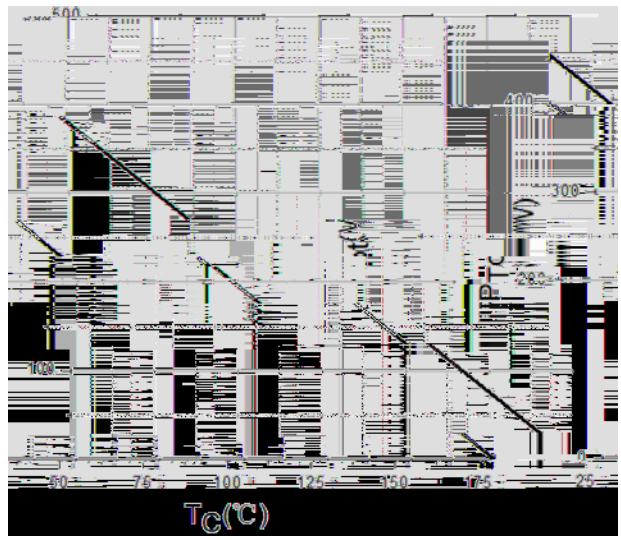
PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	Typ.	Max.
RUZDUG YROWDJH GURS			50 \$ M 25 & 9 9	1.45	1.6



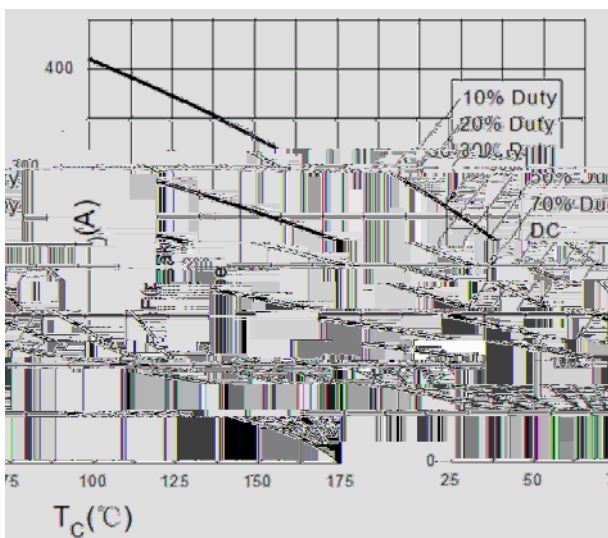
) LJXUH 3. & D S D F H L W D H Q F 9 H R Q W D J 5 H K Y U H 4. 7 R W D O & D \$ D F L W D Q F H & K D U J H



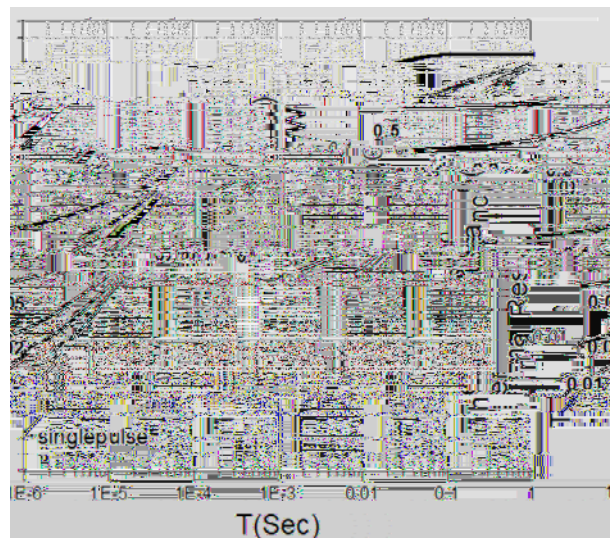
) LJXUH 5. & D S D H F L W D H Q F H 6 W R U



) LJXUH 6. 3 R Z H



) LJXUH 7. & X W U H Q W ' H U D W L O



) L J H Q W M 7. K F W P D D Q W , P S H G D O



