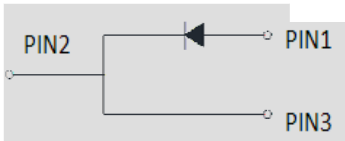
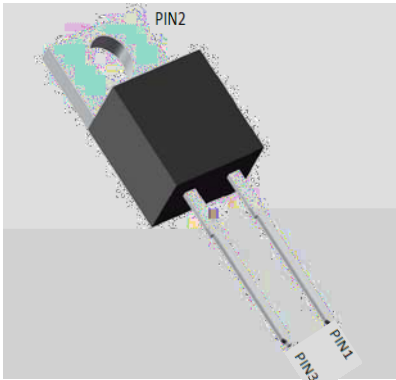




Ultra-Fast Recovery Diodes 10A FRED



Features

" \$GRSW)5(' FKLS
" /RZ IRUZDUG 9ROWDJH GURS
")DVW UHYHUVH UHFYHU\ WLPH
" +LJK IUHTXHQF\ RSHUDWLRQ
" +LJK SXULW\ KLJK WHPSHUDWXUH HSR[\ H
HOKDQFHG PHFKDQDOPRWWMXUWUHVLVWD
" *XDUG ULQJ IRU HQHVFHQGUORJHGWHP U

Typical Applications

7\SLFDO DSSOLFDWLRQV DUH LQ VZLWFKLQJ
IUHHZKH HOLQJ GLRGHV DQG UHYHUVH EDW

Mechanical Data

" Package 72 \$&
0ROGLQJ FRPSR\QG PHHWDPPDELOLW\
UDWLQJ 5R+6 FRPSOLDQW
" Terminals

'HYLFH PDUNLQJ FRGH			085
5HSHWLWLYH 3HDN 5HYHUVH 9ROWDJH	9		
\$YHUDJH 5HFWLILHG 2XWSXW &XUUHQW # +] VLQH ZDYH 5 ORDG 7F)	\$		
6XUJH 1RQ UHSHWLWLYH)RUZDUG &XUUHQW # +] KDOI VLQH ZDYH - F\FOH 7M 960	\$		
&XUUHQW 6TXDUHG 7LPH #-REV" W" P, W 7M	\$ V		
6WRUDJH 7HPSHUDWXUH	7 _{VWJ}	-	a
-XQFWLRQ 7HPSHUDWXUH	7 M	-	a
7\SLFDO -XQFWLRQ FDSDFLWDQFH #9M 0+]	S)		



MUR1020

Electrical Characteristics

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	Min	Typ	Max
,QVWDQWDQHRXV IRUZDUG YROWDJH GURS			0 \$ #7 M -			
			0 \$ #7 M -			
'& UHYHUVH FXUUHQW DW UDWHG '& EORFNLQJ YROWDJH SHU GLRGH	50	X \$	950 9550 7 M -			
	50		950 9550 7 M -			
			0 \$ 50 \$ 5 \$ 7 M -			

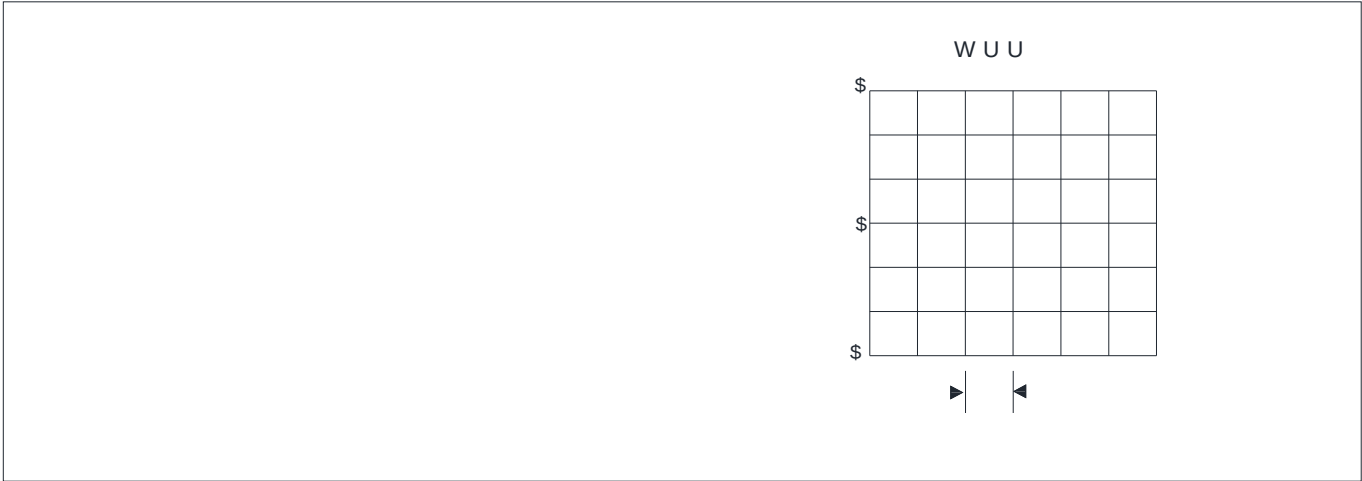
5HYHUVH 5HFRYHU\ 7LPH 55 QV 7M -

0 \$
GL GW \$ XV
950



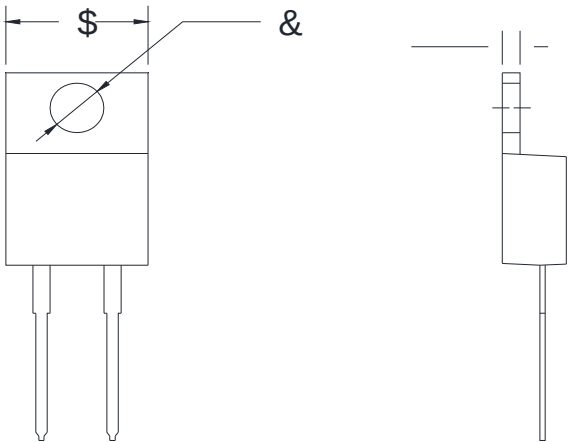
Characteristics 7 \ S L F D O

FIG.5: Diagram of circuit and Testing wave form of reverse recovery time





Outline Dimensions





Disclaimer

7KH LQIRUPDWLRQ V GHVFHQWQW LQ WKH UDQGHU KRXFHDQQOZHF(QHFORURQLF /VHG UHV
ULJKW WR PDNLWKRDXQHQWVSHFIRIWRWVSLRQG RFWV GLVSPDURYGHKWHUOLDEWOGWVLJQQF
RU RWKHUZZLVH

7KH SURGXFWQLVGHV IJHQH WR EH HXWHEWZLWQLRUGXQSRHQW RU GHYLFHWKQGQ
HTXLSPHQW RU GHYLFHV ZKLFK UHTXLWKKHEDIOXQVWLRQXIDHOCDEHQWOKDQKQDOLIH
PHGLFDO LQVWUXEHQWUWHQWLRQHUTXLSPH QDFKHQ U UHDFWKHU FRQWURROOHV DQ
GHYLFHV <DQJMLHVRV DQKQ H DQVXRLOVQRRWHVSRQVLEWHVROVLIQJGIDRQWHEK`LAP