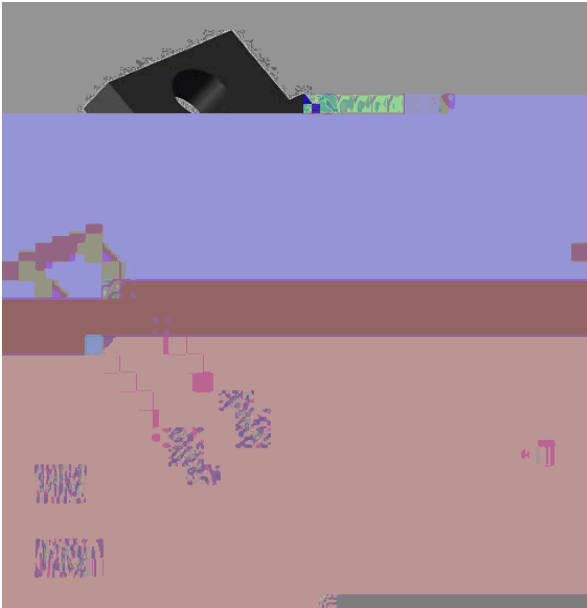




Ultra-Fast Recovery Diodes 5A FRED



Features

- " \$GRSW)5(' FKLS
- " /RZ IRUZDUG 9ROWDJH GURS
- ")DVW UHYHUVH UHFRYHU\ WLPH
- " +LJK IUHTXHQF\ RSHUDWLRQ
- " +LJK SXULW\ KLJK WHPSHUDWXUH HSR[\ H
- HQKDQFHG PHFKDQDQDOPRWWMXUWKUHVLVWD
- " *XDUG ULQJ IRU HQKDQFHG UHFRYHU

Typical Applications

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

Mechanical Data

- " Package ,72 \$&
- 0ROGLQJ FRPSR\QG PHHWDVPPDELOLW\
- UDWLQJ 5R+6 FRPSOLDQW
- " Terminals 7LQ SODTW@SÀ`À P /

		81,7	085)
'HYLFH PDUNLQJ FRGH			085)
5HSHWLWLYH 3HDN 5HYHUVH 9ROWDJH		9	
\$YHUDJH 5HFWLILHG 2XWSXW &XUHQW # +] VLQH ZDYH 5 ORDG 7F) ,*		\$	
6XUJH 1RQ UHSHWLWLYH)RUZDUG &XUHQW # +] KDOI VLQH ZDYH F\FOH 7M 960		\$	
&XUHQW 6TXDUHG 7LPH # ÈV "W" PW 7M		\$ V	
6WRUDJH 7HPSHUDWXUH	7 _{VWJ}		a
-XQFWLRQ 7HPSHUDWXUH	7M		a
7\SLFDO -XQFWLRQ FDSDFLWDQFH #&M 0+]		S)	
0RXQWLQJ WRUTXH #UHFRPPHQGÖWRUFXH	7RU	NJ FP	



MUR560F

Electrical Characteristics

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	Min	Typ	Max
QVWDQWDQHRXV IRUZDUG YROWDJH		GURS	\$ # 7 M			
			\$ # 7 M			
'& UHYHUVH FXUUHQW DW UDWHG '& EORFNLQJ YROWDJH	550	SHU GLRGH	950 9550 7 M			
	550		950 9550 7 M			
5HYHUVH 5HFRYHU\ 7LPH	55	Q V	\$ 50, \$ 55 \$			
			7 M			
			7 M			
3HDN UHFRYHU\ FXUUHQW	550	\$	7 M	\$		
			7 M	GL GW	\$ XV	
5HYHUVH UHFRYHU\ FKDUJH		Q &	7 M			
			7 M			

Thermal Characteristics

PARAMETER	SYMBOL	UNIT	MUR560F
7KHUPDO 5HVLWDQFH	%HWZHHQ MXQFWLRQ DQG FDVH	:	5
	%HWZHHQ MXQFWLRQ DQG \$LU	:	5

Ordering Information ([DPSOH

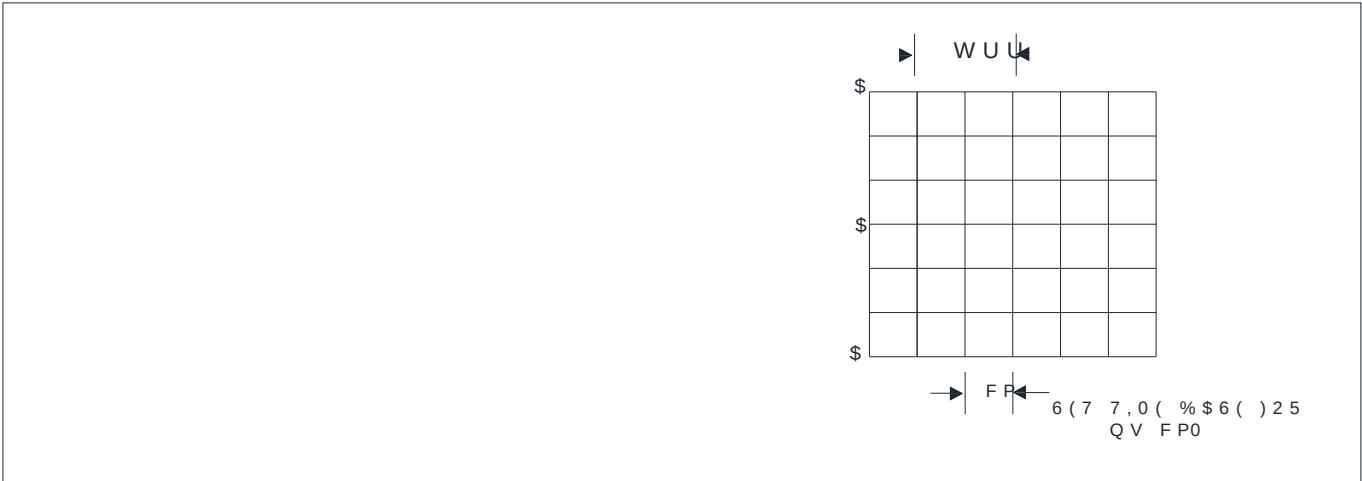
REFERRED P/N	UNIT WEIGHT(g)	ple)	1 S
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MUR560F

Characteristics 7 \ S L F D O

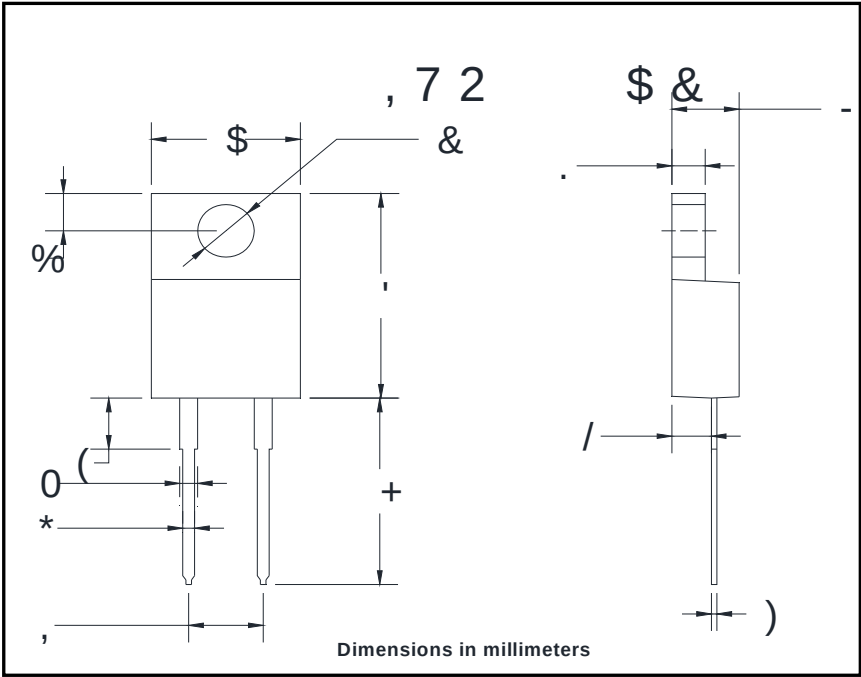
FIG.5: Diagram of circuit and Testing wave form of reverse recovery time





MUR560F

Outline Dimensions



ITO-220AC		
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MUR560F

ÄDQ R

Disclaimer

7KH LQIRUPDWLRQ VSHFWXQWQW LQ WKULUDHQHJKRXFKDRQQOZH F(QHFOVRURQLF /VHG UHV
ULJKW WR PDNLHWKRXQJQHVLSHFIRIWRVSLRQG RFWV GLVSPDURYGHKWHUOILQEWGMLV LJQQF
RU RWKHUZZLVH

7KH SURGXFWQLVGHV IJHQH WR EHHKWHGZLWQLRUGXQSDHQW RU GHYLFHWKDQGQ
HTXLSPHQW RU GHYLFHV ZKLFK UHTXLWKHKEDIOIXQVWLZRXDHOQGDDEHQWOKDQKQDOLIH
PHGLFDO LQVWUXQMSUWHQWL RQHUTXLSH H QXFKOHQ U UHDFWRHU FRQWURROOHUW DQ
GHYLFHV <DQJMLH"RUADQ\RFH BQPR @