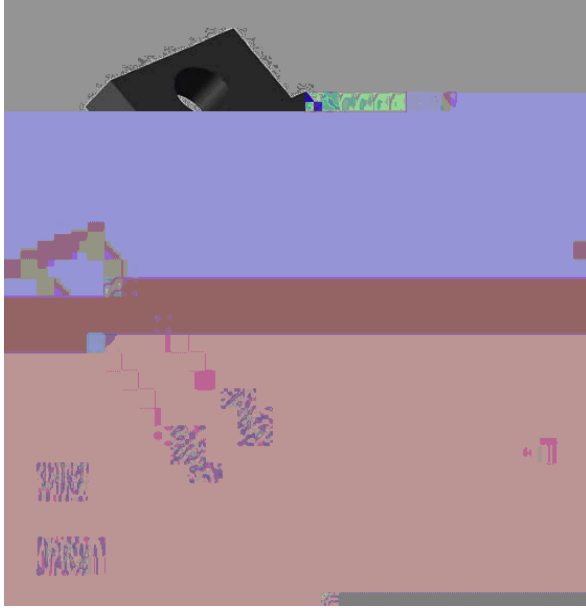




Ultra-Fast Recovery Diodes 5A FRED



Features

- " \$GRSW)5(' FKLS
- " /RZ IRUZDUG 9ROWDJH GURS
- ")DVW UHYHUVH UHFRYHU\ WLPH
- " +LJK IUHTXHQF\ RSHUDWLRQ
- " +LJK SXULW\ KLJK WHPHUDWXUH HSR[\ H
- HQKDFHG PHFKDQD & DOPR WVM QUW\ UHVLVWD
- " *XDUG ULQJ IRU HQDW\FG GU D R J U

Typical Applications

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

Mechanical Data

- " Package ,72 \$ &
- 0ROGLQJ FRPSR\QG PPHWVPPDELOLW\
- 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), * 2	\$		
6XUJH 1RQ UHSHWLWLYH)RUZDUG & XUHQW # +] KDOI VLQH ZDYH F\FOH 7M 960	\$		
& XUHQW 6TXDUHG 7LPH # ÈV "W" PW 7M	\$ V		
6WRUDJH 7HPSHUDWXUH	7 _{vj}		a
-XQFWLRQ 7HPSHUDWXUH	7M		a
7\SLFDO -XQFWLRQ FDSDFLWDQFH # & M 0+	S)		
0RXQLQJ WRUTXH # UHFRPPHQGÖWRUJFH	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 GLRCH	9.50 9.550			
			7 M			
5HYHUVH 5HFRYHU\ 7LPH	55	QV	\$ 50, \$ 55 \$			
			7 M			
			7 M			
3HDN UHFRYHU\ FXUUHQW	550	\$	7 M	\$ XV		
			7 M			
5HYHUVH UHFRYHU\ FKDUJH		Q &	7 M			
			7 M			

Thermal Characteristics

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

Ordering Information ([DP SOH

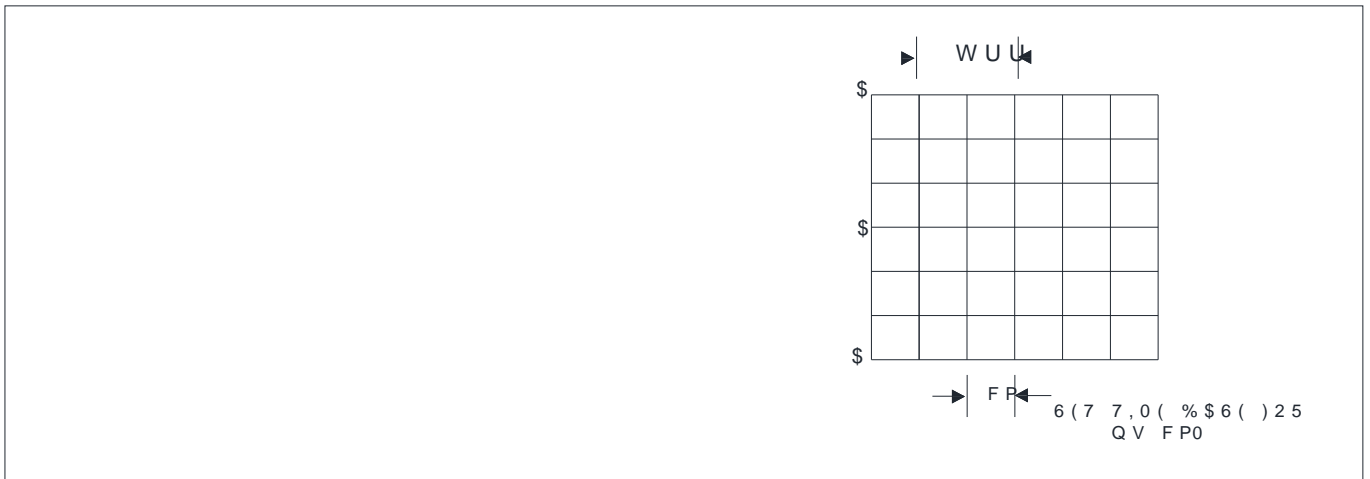
REFERRED P/N	UNIT WEIGHT(g)	ple)	S



MUR560F

Characteristics 7 \ S L F D O

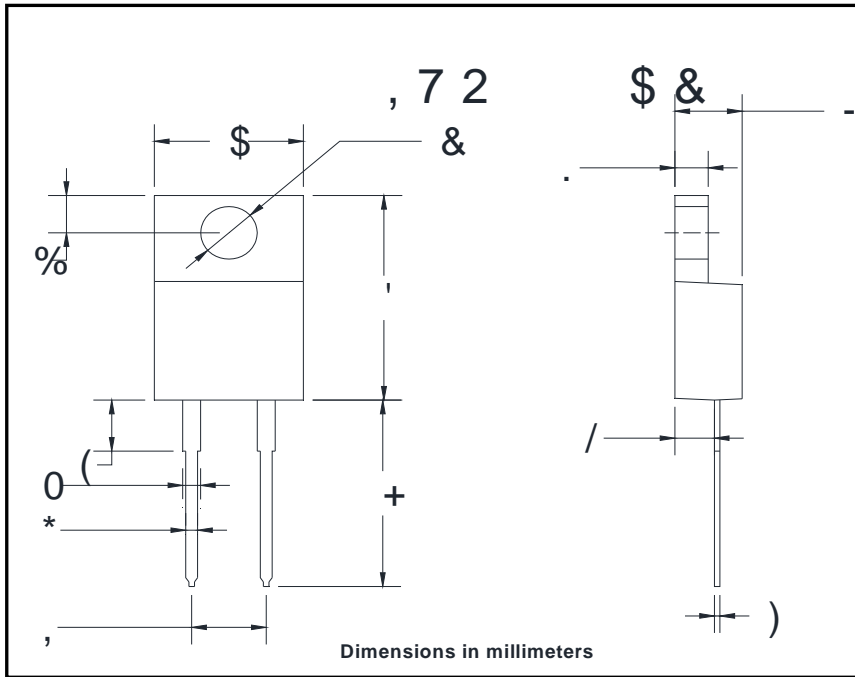
FIG.5: Diagram of circuit and Testing wave form of reverse recovery time





MUR560F

Outline Dimensions



ITO-220AC		
'LP	0LQ	0D
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MUR560F

Ä D Q R

Disclaimer

7KH LQIRUPDWLRQ V GHVFHQWV LQ WKLV DOKUMENT (HÖRFOUR &LF /VHG UHV
ULJKW WR PDNLWKRDXQJH ZLSH FRIWLVN VLLRQG R FWWV GLV SPSDARIYGHKUHUOILDEWOG MVLJQQ F
RU RWKHUZLVH

7KH SURGXFWOLVGHG/KJHGL WR EHKÖNIGWZLRVK R UG XQS RHW RU GHYLFHWWKDG Q
HTXLSPHQW RU GHYLFHV ZKLFK UHTÖLW KHKE DIO IZÖFWOL R R X D H C G D E H C H W K D F K Q D V L I H
PHGLFDO LQVWUXÖM S R U W H D W L R Q H U T R L S P H R X F K I H D U U H D F W K H U F F R Q W U R R O O H W V D Q
GHYLFHV <DQJMLK"RUÄD C\ RQ HF S APR @