



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
- HQKDQFHG PHFKDQDDEOPRWUMQUWUHVLVWD
- " *XDUG ULQJ IRU HQDWFBGUORJUGWHUP U

Typical Applications

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

Mechanical Data

- " Package ,72 \$&
- 0ROGLQJ FRPSRQG PHHWDPPDELOLW\
- 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 &XUUHQW # +] VLQH ZDYH 5 ORDG 7F), * 2	\$		
6XUJH 1RQ UHSHWLWLYH)RUZDUG &XUUHQW # +] KDOI VLQH ZDYH F\FOH 7M 960	\$		
&XUUHQW 6TXDUHG 7LPH # ÈV "W" PW 7M	\$ V		
6WRUDJH 7HPSHUDWXUH	7 _{vWJ}		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	\$ #7M			
'& UHYHUVH FXUUHQW DW UDWHG '& EORFNLQJ YROWDJH	550	SHU GLRGH	950 9550 7 M			
5HYHUVH 5HFRYHU\ 7LPH	55	QV	\$ 50, \$ 55 \$ 7 M			
3HDN UHFRYHU\ FXUUHQW	550	\$	7 M 7 M	\$ XV		
5HYHUVH UHFRYHU\ FKDUJH		Q&	7 M 4UU 7 M			

Thermal Characteristics

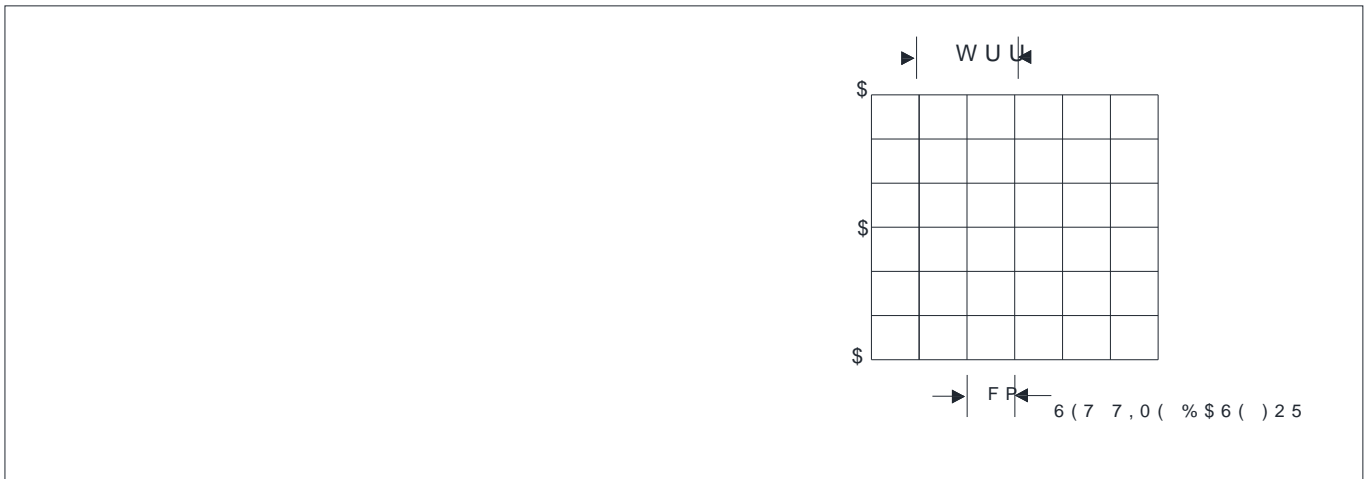
7KHUPDO 5HVWUDQFH	%HWZHHQ MXQFWLRQ DQG FDVH	:	5
	%HWZHHQ MXQFWLRQ DQG \$LU	:	5

Ordering Information ([DP SOH

PREFERRED P/N	UNIT WEIGHT(g)	M š



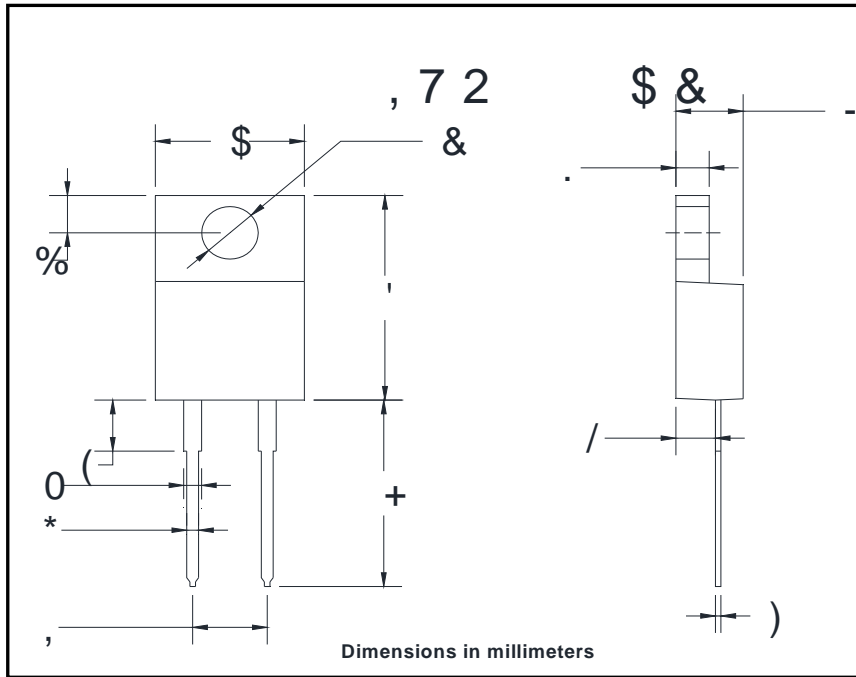
FIG.5: Diagram of circuit and Testing wave form of reverse recovery time





MUR560F

Outline Dimensions



ITO-220AC		
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Disclaimer

7KH LQIRUPDWLRQ V GHVFHQWV LQ WKLV DOKUMENT (HÖRFOUR &LF /VHG UHV
ULJKW WR PDNLWKRDXQJH ZLSH FRIWLVN VLLRQG R F W W V G L V S F S D A R Y G H K U H U G I L D E W G M V L J X Q F
RU RWKHUZLVH

7KH SURGXFW OL V GHV I K J H G WR E H K O H H G W Z L R V K R U G X Q S P H Q W R U G H Y L F H W K D Q G Q
HTXLSPHQW RU GHYLFHV ZKLFK UHTLW KHKE DIO I O Z A W W O Z R X I H G G E D E H C H W O K D E F K Q D O L I H
PHGLFDO LQVWUXO M S R U W H D W L R Q H U T R X L S P H R X F K O L H O U U H D F W K H O F F R O W M U R R O O H W V D Q
GHYLFHV <DQJMLK"RUÄD C \ R Q H F S G P R @