



Ultra-Fast Recovery Diodes 30A FRED



Features

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

Typical Applications

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

Mechanical Data

- " **Package** ,72 \$ &
- 0ROGLQJ FRPSRQHQW PHHWDVPPDELOLW\
- UDWLQJ 5R+6 FRPSOLDQW
- " **Terminals** 7LQ SODWHG OHDGV VROGHUDEOH S
- DQG -(6' %
- Polarity** \$V PDUNHG "

Maximum Ratings

PARAMETER	SYMBOL	UNIT	MUR3060F
'HYLFH PDUNLQJ FRGH			085)

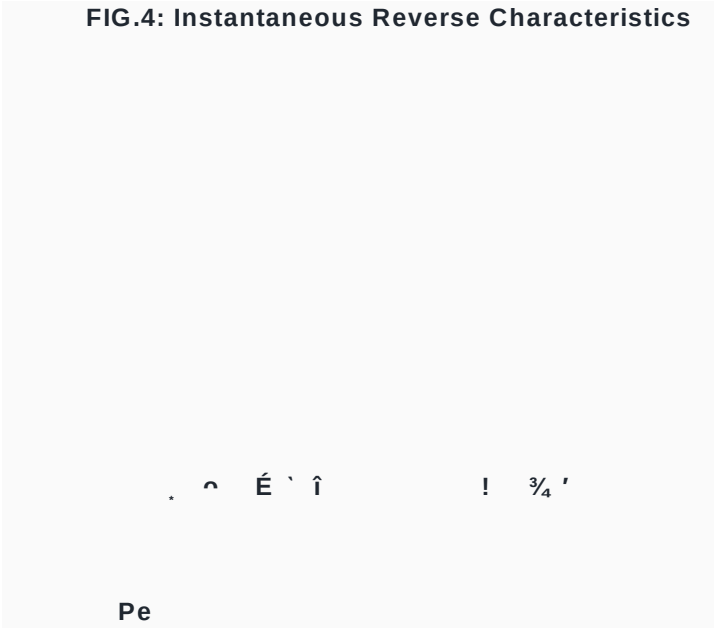
5HSHYH™ LFOS' f PYLF• 0 YNL f2çt\$ vDÇW,%p3• û ò .ñ @\$6R vÓSS uí~"Vo C`7m l2 w9 7e0•,` p•

6XUJH 1RQ UHSHWLWLYH)RUZDUG &6WRUDJH 7HPSHUDWXUH			a
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-XQFWLRQ 7HPSHUDWXUH	7M	-	a
7\SLFDO -XQFWLRQ FDSDFLWDQFH #9	0+] 0+] 0+]		
0RXQWLQJ WRUTXH #UHFRPPHQGÖWRUJH	7RU	NJ FP	



FIG.4: Instantaneous Reverse Characteristics



Outline Dimensions

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MUR3060F

Disclaimer

7KH LQIRUPDWLRQ V GHVFHQWQW LQ WKH LQJHQHJLRQXFKDRQJOLZHF(QHFOVRURQLF /VHG UHV
ULJKW WR PDNLHWKRXQJQHVLSHFIRIWRVLSURQJRFWV GLVSPDURIGHKHUHOILQEWGMLV LJQQF
RU RWKHUZZLVH

7KH SURGXFWQLVGHV IJHQHJLRQWR EHHKWHGZLWQLRIGXQSRHQWRU GHYLFHWKQGGQ
HTXLSPHQWRU GHYLFHV ZKLFK UHTXLWKKHEDIOIXQVWLZRXIHQGGHJHQWKNQKQDOVLH
PHGLFDO LQVWUXQMSRUWHQWLRQHUTXLSHGHQXFKHQDUUHVFWKHUFRQWURROOHV DQ
GHYLFHV <DQJMLHVRVHQKQH DQVXRLOVQRRWHVSRQVLEWHVROVLIQJGIDRQJMMFKLP
RI VDOH

7KLV SXEOLFDWLRQISODFHUWIDGIDVLQURUPDVLROQLSGHYLRXDGGLWLRQDO LQWRUPDWLR
KWVZZ IDQJMLHRRFRQVXOWIRXU QHDUHVW <DQJMLHVRVHQHVRILFHIRU IXUW