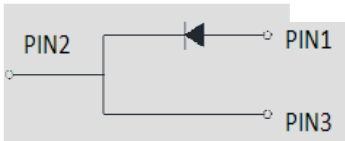
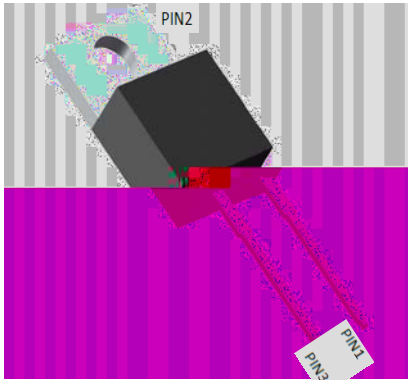




Ultra-Fast Recovery Diodes 8A FRED



Features

SGRSW)5(' FKLS
/RZ IRUZDUG 9ROWDJH GURS
)DVW UHYHUVH UHFRYHU\ WLP
+LJK IUHTXHQF\ RSHUDWLRQ
+LJK SXULW\ KLJK WHPSHUDWXUH HSR[\ H
HOKDQFHG PHFKDQDOPRWWHQWUHV
*XDUG ULQJ IRU HQDQFBQGURJH

Typical Applications

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

Mechanical Data

Package 72 \$&
0ROGLQJ FRPSRQGGPHWPPDELOLW\
UDWLQJ 5R+6 FRPSOLDQW
Terminals 7LQ SODWHG OHG VROGHUDEOH S
DQG -(6' %
Polarity \$V PDUNHG

Maximum Ratings

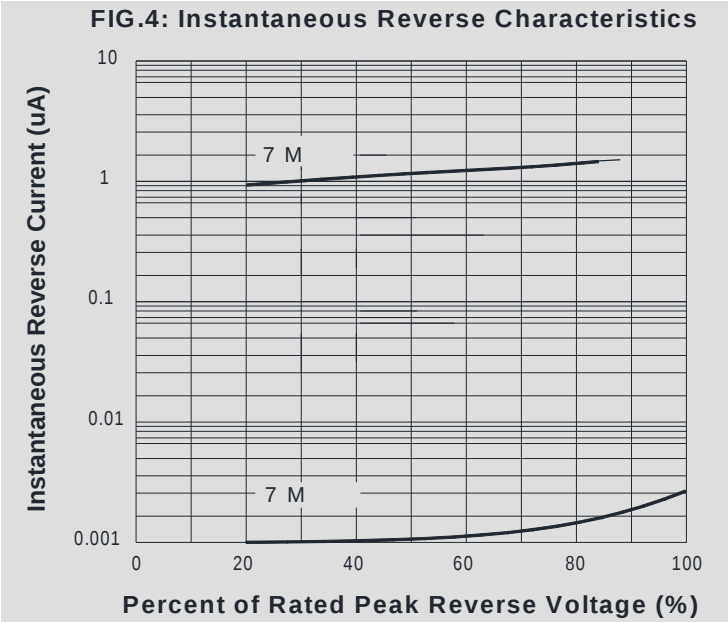
PARAMETER	SYMBOL	UNIT	MUR8120
'HYLFH PDUNLQJ FRGH			085
5HSHWLWLYH 3HDN 5HYHUVH 9ROWDJH	V_{RRM}	V	90
\$YHUDJH 5HFWLILHG 2XWSXW &XUHQW # +] VLQH ZDYH 5 ORDG 7F),* ²	P_{AV}	W	8
6XUJH 1RQ UHSHWLWLYH)RUZDUG &XUHQW # +] KDOI VLQH ZDYH FFOH 7M	P_{SM}	W	10
&XUHQW 6TXDUHG 7LPH # PV W PV 7M	t_{on}	s	100
6WRUDJH 7HPSHUDWXUH	T_{vj}	°C	175
-XQFWLRQ 7HPSHUDWXUH	T_{stg}	°C	175
-XQFWLRQ FDSDFLWDQFH #	Q_{rr}	µC	90

MUR8120

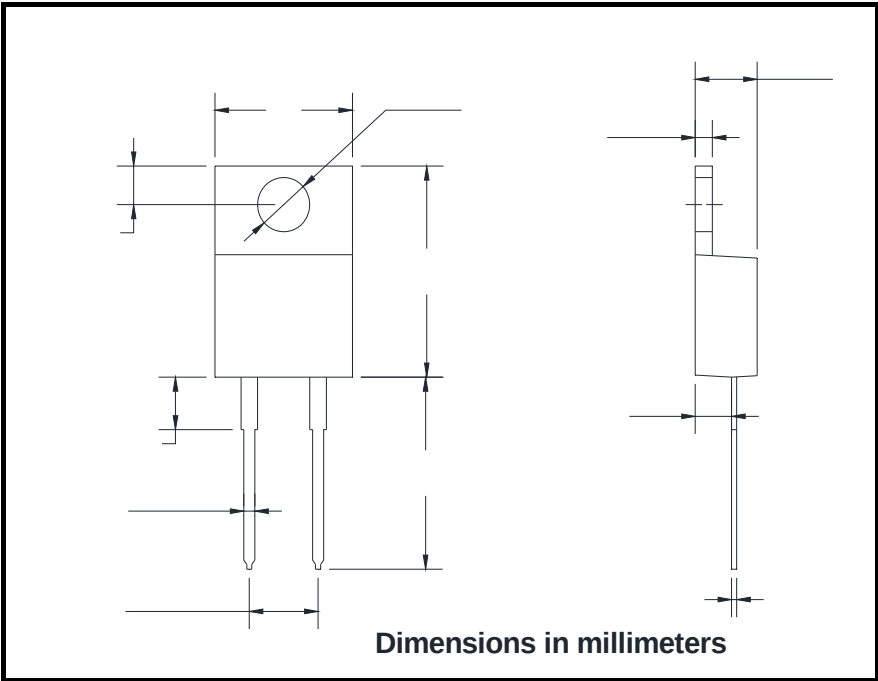


MUR8120

FIG.4: Instantaneous Reverse Characteristics



Outline Dimensions



TO-220AC		
' L P	0 L Q	0 D
\$		
%		
&		
,		
(		
)		
*		
+		
,		
-		
.		
/		



MUR8120

Disclaimer

7KH LQIRUPDWLRQ V GHVFHQWQW LQ WKH LQJHQHJLRQF KDRQJ OZHF (QHFORUR QLF /VHG UHV
ULJKW WR PDNLHWKRXQJ QHJVL SH FRIW RQ VSLRQ R FWWV GLV SPSDURYGHKUH OILQEWG LVL JXQ F
RU RWKHU ZLVH

7KH SURGXFWQLV GHV IJHQHJLRQ WR EH HOVHGHZLRQK R HG XQSRHQW RU GHYLFHWKDQG Q
HTXLSPHQW RU GHYLFHV ZKLFK UHTXLWKHKEDIO IZQVWL RQXIDHOGGDEHQWOK DFKQDOVLIH
PHGLFDO LQVWUXQMSRUWHQWLRQHUTXLSH H QXFKHQ U UHDFWKHU FFRQWURROOHV DQ
GHYLFHV <DQJMLH RQ DQHQH DQVXRQV VRRWHV SRQVLEWHV RQ DQJGIDRQJMMFK LP
RI VDOH

7KLV SXEOLFDWLRQ SXVSHUW DQDQVLRQURPDVLSRQ LSGHYLRX XGGLWLRQDO LQWRUPDWLR
KWV [VZ](#) [\DQJMLH](#) RQ RFRQVXOW \RXU QHDUHVW <DQJMLH RQVFDH OHV RILFH IRU IXUW