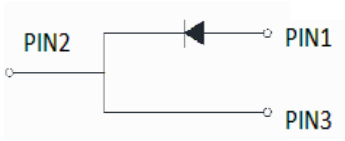
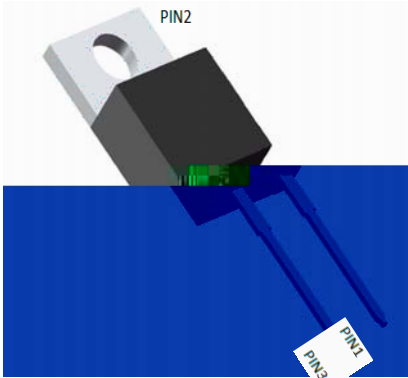




Ultra-Fast Recovery Diodes 8A FRED



Features

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

Typical Applications

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

Mechanical Data

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

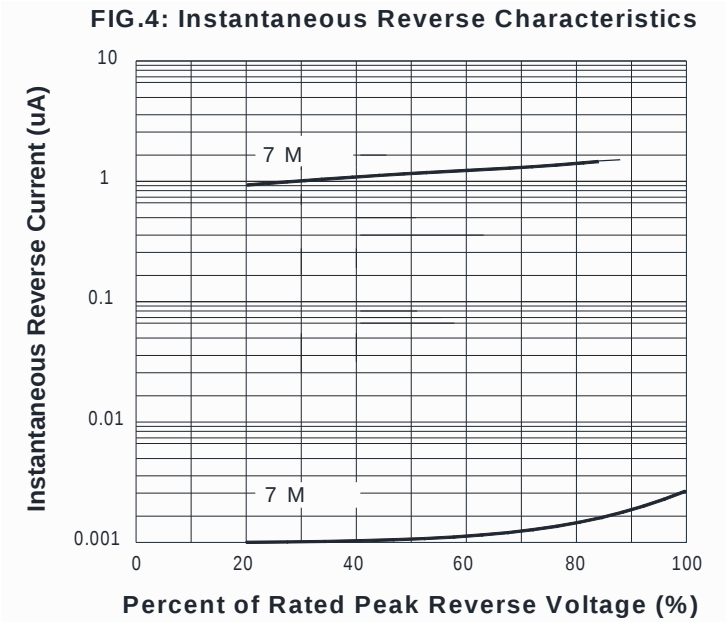
Maximum Ratings M 8QOHVV RWKHUZZLVH VSHFLILHG

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 ns
6WRUDJH 7HPSHUDWXUH	T_{vj}	°C	175
-XQFWLRQ 7HPSHUDWXUH	T_{jm}	°C	175
-XQFWLRQ FDSDFLWDQFH #	Q_{rr}	µC	90

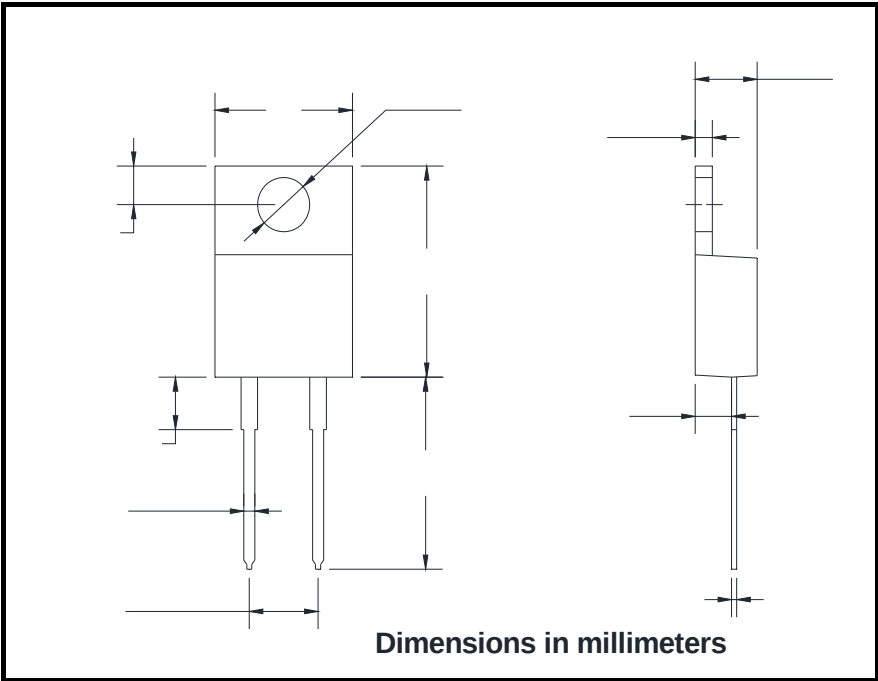
MUR8120



FIG.4: Instantaneous Reverse Characteristics



Outline Dimensions



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



MUR8120

Disclaimer

7KH LQIRUPDWLRQ VSHFWXHQWQW LQ WKULUDHQHJLRQFH KDRQJOLZHF(QHFOVRURQLF /VHG UHV
ULJKW WR PDNLHWKRXQJQRWVSHFIRIWLQVSLRQG RFWV GLVSPDURYGHKUHUILOQEWGMLV LJQQF
RU RWKHUZZLVH

7KH SURGXFWQLVWGHV IJHQH WR EHHKWHGZLWQLRUGXQSRHQW RU GHYLFHWKDQGQ
HTXLSPHQW RU GHYLFHV ZKLFK UHTXLWKHKEDIOIOLVWOLRQXIDHOCDEHQHWK DFKQDOVLIH
PHGLFDO LQVWUXHQMSUWHQWLRQHUTXLSH H DFKOLHQ UHVDFWRUOFRQWURROOHV DQ
GHYLFHV <DQJMLHLVW DFKBQH DQVXRLOVQRRWHOSREQLQEWHVROVLIQJGIDRDPJMMFK LP
RI VDOH

7KLV SXEOLFDWLRQSVXSHHUV DGHVLQURUPVXLSRQLSGHYLRXDGGLWLRQDO LQWRUPDWLR
KWV [VZZ](#) [\DQJMLH](#)RRRFRQVXOW \RXU QHDUHVW <DQJMLHVIQVFDH OHV RIILFH IRU IXUW