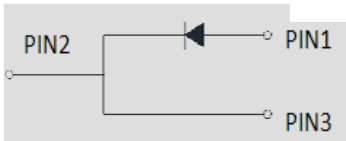
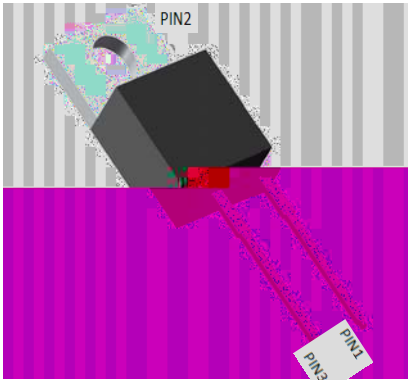




Ultra-Fast Recovery Diodes 8A FRED



Features

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

Typical Applications

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

Mechanical Data

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

Maximum Ratings M 8QOHVV RWKHUZZLVH VSHFLILHG

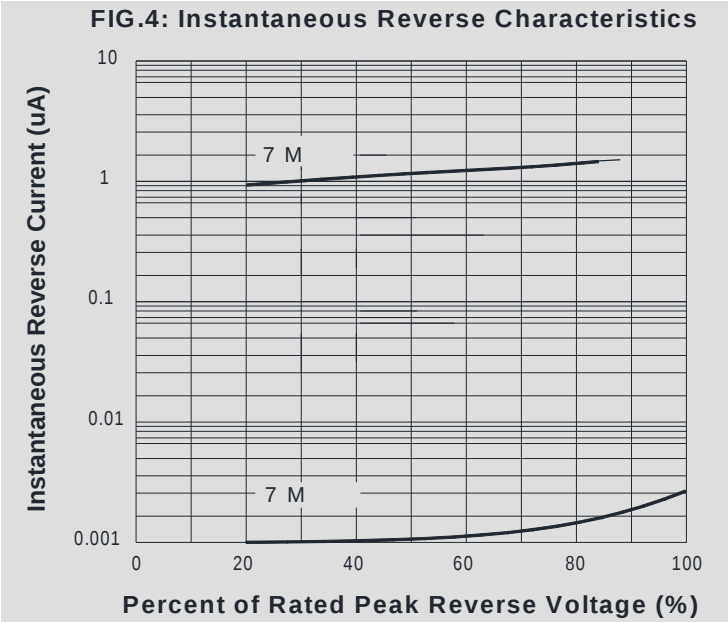
PARAMETER	SYMBOL	UNIT	MUR8120
'HYLFH PDUNLQJ FRGH			085
5HSHWLWLYH 3HDN 5HYHUVH 9ROWDJH	V_{RRM}	V	90
\$YHUDJH 5HFWLILHG 2XWSXW &XUHQW # +] VLQH ZDYH 5 ORDG 7F),* ²	P_{AV}	W	8
6XUJH 1RQ UHSHWLWLYH)RUZDUG &XUHQW # +] KDOI VLQH ZDYH FFOH 7M	P_{SM}	W	10
&XUHQW 6TXDUHG 7LPH # PV W PV 7M	t_{on}	s	100 ns
6WRUDJH 7HPSHUDWXUH	T_{vj}	°C	175
-XQFWLRQ 7HPSHUDWXUH	T_{stg}	°C	-55 to 175
-XQFWLRQ FDSDFLWDQFH #	Q_{rr}	µC	90

MUR8120

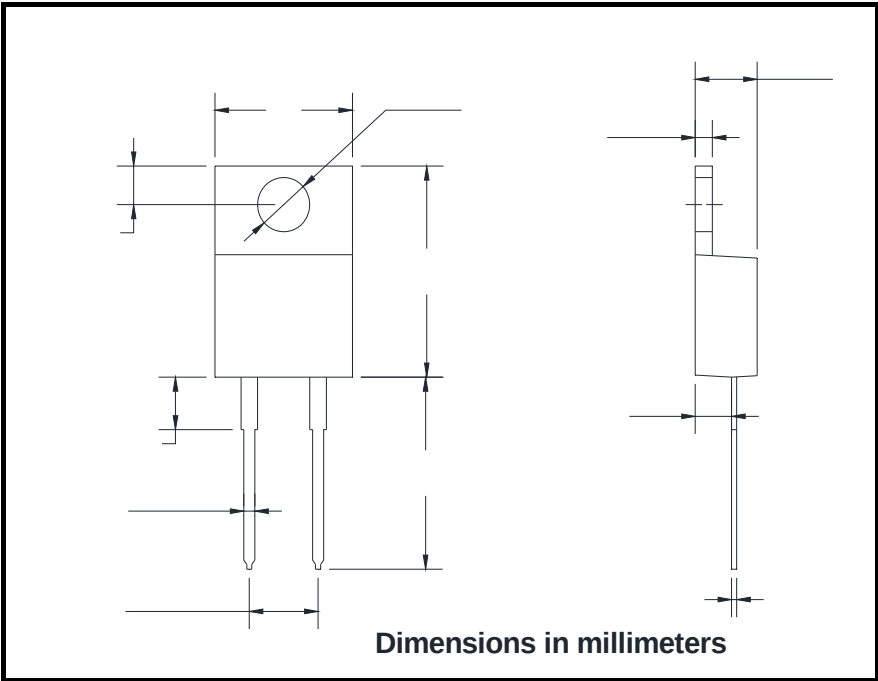


MUR8120

FIG.4: Instantaneous Reverse Characteristics



Outline Dimensions



TO-220AC		
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7KLVSXEOLFDFWLRQISXDSFHUWIDGHOVLQURQAPDXLSFQISGHYRLRDXGGGLWLRQDO LQWRHUPDWLR
KWWVSZIDQJMLHFRFRQVXOWIRXUQHDFUHVW<DQJMLHWDQVFDHOHVRIILFHIRUIXUW