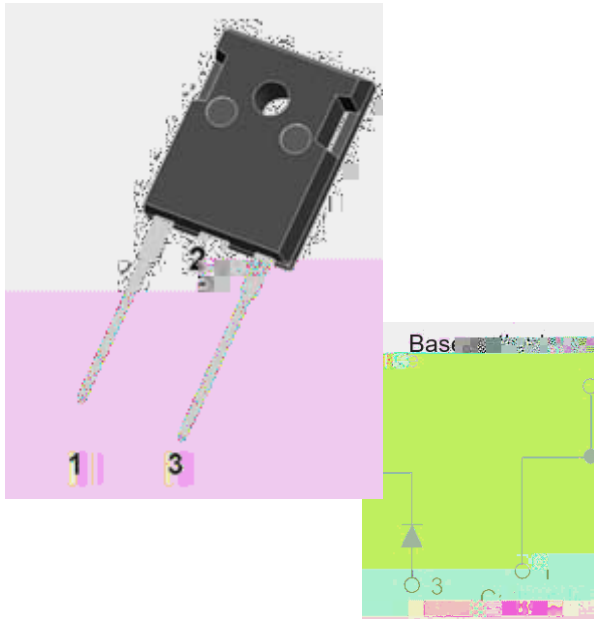




Ultra-Fast Recovery Diodes 30A FRED Pt



Features

W\$CR'SFKLS
" /RZ IRUZDUG 9ROWDJH GURS
")DVW UHYHUVH UHFRYHU\ WLPH
" +LJK IUHTXHQF\ RSHUDWLRQ
" +LJK SXULW\ KLJK WHPSHUDWXUH HSR[\ H
H QKDQFHG PHFKDQDQDOPRWWXUWHVLUVWDQ
" *XDUG ULQJ IRUXHQKQHMV DQG ORQJ WHU
U HOLDELOLW\

Typical Applications

" 7\SLFDO DSSOLFDWLRQV IRXU VXSSOLHV
FRQYHUWHU IUHHQHOLHUORERQWHU

Mechanical Data

" Package 72 \$&
ORGLQJ FRPSRXQG PHHWDPPDELOLW\
UDWLQJ 5R+6 FRPSOLDQW
" Terminals 7LQ SODWHG OHDGV VROGHUDEOH
DQG -(6' %
" Polarity \$V PDUNHG

Maximum Ratings M 8QOHVV RWKHU\LVH VSHFLILHG

PARAMETER	SYMBOL	UNIT	MURL3065P ...P7<)el~yf@\$p Âp€•À`€
5HSHWLWLYH 3HDN 5HYHUVH 9ROWDJH	I_{FS}	A	9
\$YHUDJH 5HFWLILHG 2XWSXW &XUUHQW # +] VLQH ZDYH 5 ORDG 7F),*	I_{AV}	A	\$
6XUJH 1RQ UHSHWLWLYH)RUZDUG &XUUHQW # +] KDOI VLQH ZDYH F\FOH 7M)60	I_{RM}	A	\$
&XUUHQW 6TXDUHG 7LPH # PV"W" PVWM	P_{VM}	W	\$ V
6LQJOH 3XOVH \$YDODQFKH (QHUU\ # 7M / P+	(I_{SM})	A	P-
6WRUDJH 7HPSHUDWXUH	T_{VWJ}	°C	-
-XQFWLRQ 7HPSHUDWXUH	T_M	°C	-
7\SLFDO -XQFWLRQ FDSDFLWDQFH # 9M+]	f_{SM}	Hz	S)
ORXQWLQJ WRUTXH # UHFRPPHQGWRUFRU NJ FP	T_{RU}	°C	NJ FP



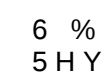
MURL3065P

Electrical Characteristics

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	Min	Typ	Max
QVWDQWDQHRXV IRUZDUG YROWDJH			\$ #7M -			
			\$ #7M -			
'& UHYHUVH FXUUHQW DW UDWHG '& EORFNLQJ YROWDJH	550		950 9550 7M -			
	550		950 9550 7M -			
5HYHUVH 5HFRYHU\ 7LPH		QV	\$ 50, \$ 7M			
			7MUJ			
			7M -			
3HDN UHFRYHU\ FXUUHQW	550	\$	7M -			
			7M -			
5HYHUVH UHFRYHU\ FKDUJH		Q&	7M -			
			7M -			

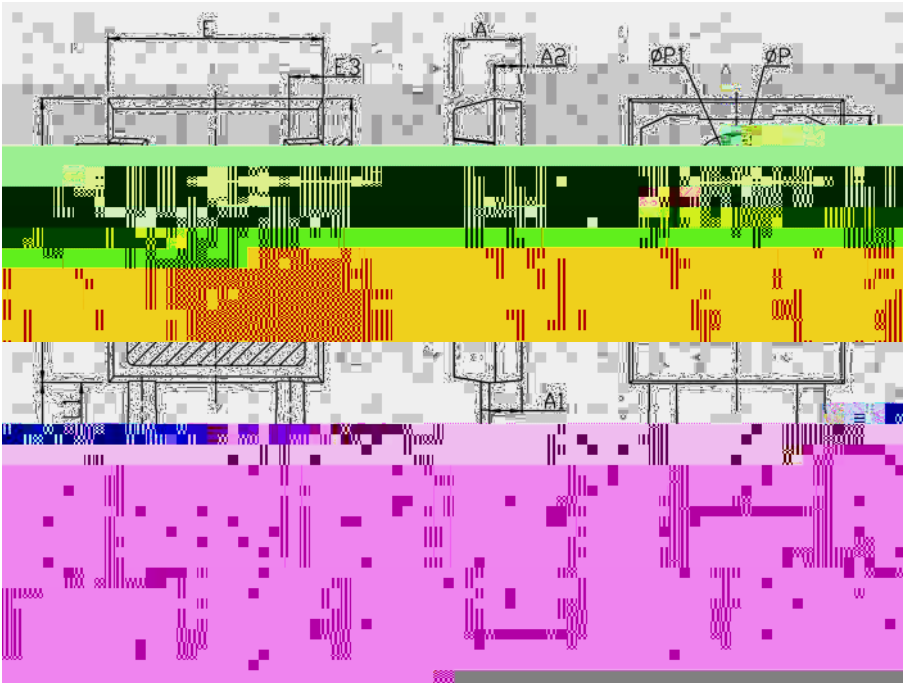
Thermal Characteristics

PARAMETER	SYMBOL	UNIT	MURL3065P
7KHUPDO 5HVLVWDQFH	%HWZHHQ MXQFWLRQ DQG DVH	- : 5	
	%HWZHHQ MXQFWLRQ DQG LU	- : 5	





vOutline Dimensions



TO-247AC		
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H	7 < 3	
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3 3		
3 3		
6	7 < 3	



MURL3065P

Disclaimer

7KH LQIRUPDWLRQ SURGXFWLQJ LQ WKLV HQJLHQJH RQJMLH (OHFWURQLF 7HHKQRO
ULJKW WR PDNH FKDLQHVRZLWKRXWSKRLVURDGXERQV GLWSOD\HG KHUHLQ WRGLPSLURY
RU RWKHUZZLVH

7KH SURGXFW OLVWHG KHUHLQ LV GHVLGH QWGRFEHTXLISEHZLWKRURGLYLQFHWVWIDQG
HTXLSPHQW RU GHYLFHV ZKLFK UHTGLWKKHEDKOXQYHVOGRQURHOLMDLGRVODQFHU
PHGLFDO LQVWUXPHQWVITWLSQHQSVUWHUVRVSDXHOHDEKWLQDFWHLQFRQQWURERODHU
GHYLFHV <DQJMLH RU DQIRQH RQ LWVOEMKDOI OLVEXDLWQRUWHQSRQYEBJHVHUV
RIVDOH

7KLV SXEOLFDWLRQ SXEOLHUWIDGIDLQURUPDVLROQLSGHYLURXVGLWLRQDO LQWRUPDWLRQ