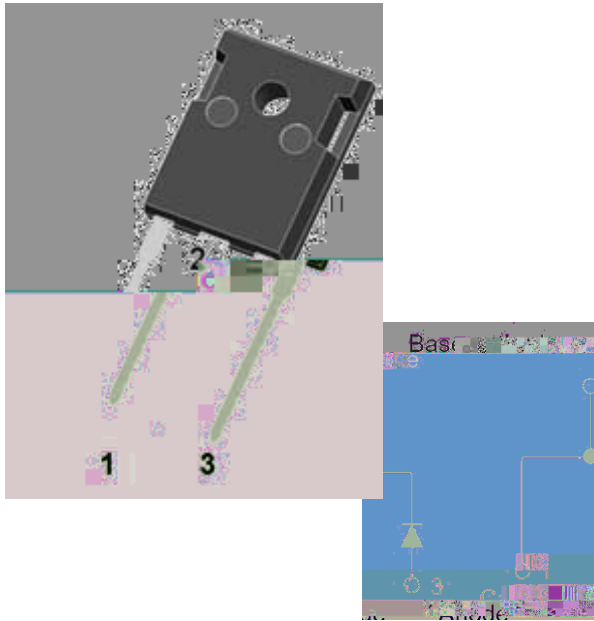




Ultra-Fast Recovery Diodes 30A FRED Pt



Features

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

Typical Applications

" 7\SLFDO DSSOLFDWLRQV IRZHU VXSSOLHV
FRQYHUWHU IUHHQHOLHU ULRFR

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<)e/-yf@\$p Âp€•À`€
5HSHWLWLYH 3HDN 5HYHUVH 9ROWDJH	I_{SO}	9	
\$YHUDJH 5HFWLILHG 2XWSXW &XUUHQW # +] VLQH ZDYH 5 ORDG 7F),*	I_{AS}	\$	
6XUJH 1RQ UHSHWLWLYH)RUZDUG &XUUHQW # +] KDOI VLQH ZDYH F\FOH 7M)60	I_{RM}	\$	
&XUUHQW 6TXDUHG 7LPH # PV"W" PVWM	P_{VM}	\$ V	
6LQJOH 3XOVH \$YDODQFKH (QHUU\ # 7M / P+	(\$6	P-	
6WRUDJH 7HPSHUDWXUH	7VWJ	-	a
-XQFWLRQ 7HPSHUDWXUH	7M	-	a
7\SLFDO -XQFWLRQ FDSDFLWDQFH # 9&M+]	S)		
ORXQWLQJ WRUTXH # UHFRPPHQGWRUFRXRU NJ FP	7RU	NJ FP	



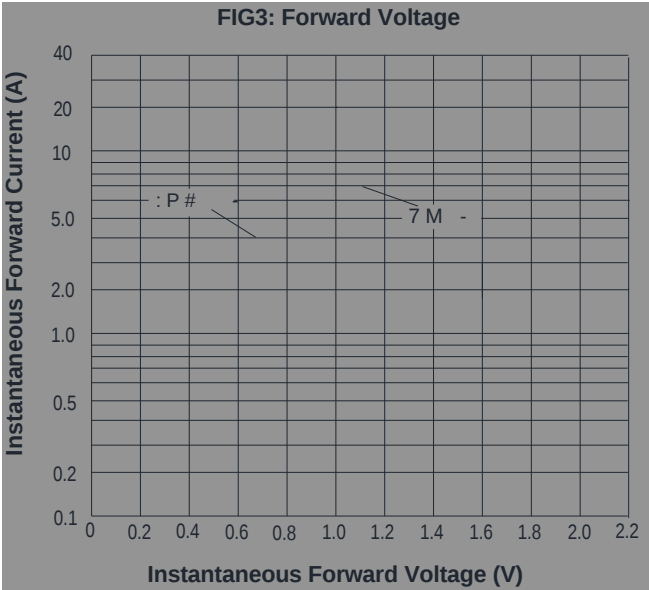
MURL3065P

Electrical Characteristics

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

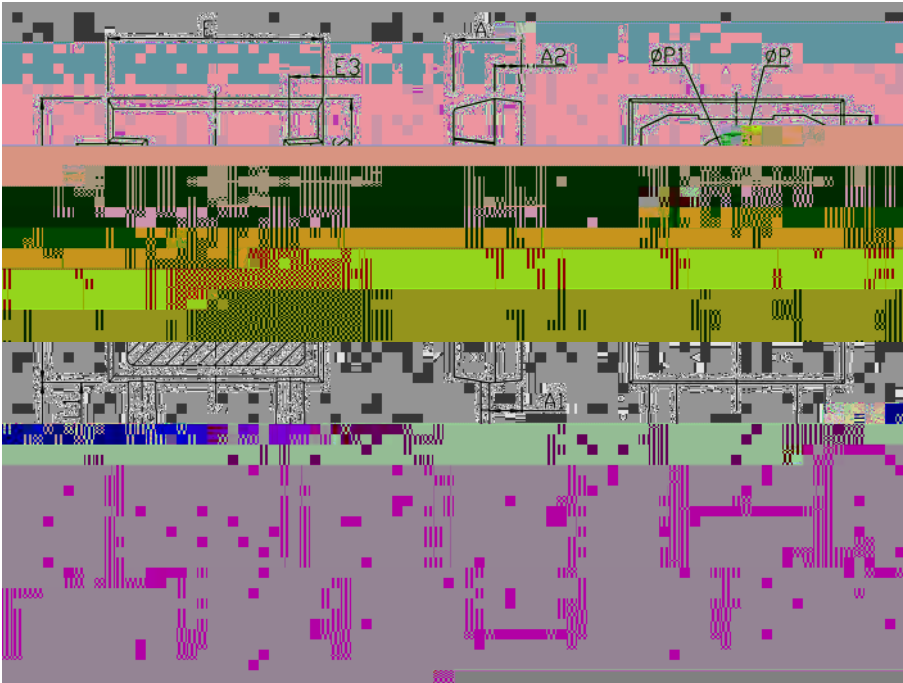
Thermal Characteristics

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 SURFHDQW LV IRXUHQDIHQKQKH<RQJMLH (OHFWURQLF 7HHKQRO
ULJKW WR PDNH FKDLQHVRZLWKRXWSKRLSURGXFWV RILWSOD\HG KHUHLQ WRGLPSURY
RU RWKHUZZLVH

7KH SURGXFW OLVWHG KHUHLQ LV GHOLFHUWRQRFEHTXLVISEHZLWKRURGGHLYLFWHVVWIDQG
HTXLSPHQW RU GHYLFHV ZKLFK UHTGLWKKHEJDOXHQFWOGRQURHHOLMDLGRVODQFHU
PHGLFDO LQVWUXPHQWVITWLSQHQSVUWHUVRVSDXHOHDEKWLQDFWHLQFRQQWURERODHU
GHYLFHV <DQJMLH RU DQIRQH RQ LWVOEMKROI OLVEXLHLWQRUWHQSRQYEBJHVHUV
RI VDOH

7KLV SXEOLFDWLRQISODFHUWIDGIDLQURUPDWSLROQLSGHYLURXVGGWLWRQDO LQWRUPDWLR