



Ultra-Fast Recovery Diodes 10A FRED

Typical Applications

Mechanical Data

Package

Terminals

Polarity

Maximum Ratings

PARAMETER	SYMBOL	UNIT	MURB1020
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Average Rectified Output Current @60Hz sine wave , R-load , Tc(FIG.1)	I _o	A	10
Surge(Non-repetitive)Forward Current @60Hz half sine-wave , 1 cycle , T _j = 25			

085%

v(OHFWULFDO &KDUDFWHULVWLFLV

3\$5\$0(7(5	6<0%2	81,7	7(67 &21',7,216	0LQ	7\5	0D[
,QVWDQWDQHRXV IRUZDUG YROWDJH GORS SHU GLRGH			0 \$ #7 M -			
			0 \$ #7 M -			
'& UHYHUVH FXUUHQW DW UDWHG '& EORFNLQJ YROWDJH SHU GLRGH	550		950 9550 7 M -			
	550		950 9550 7 M -			
5HYHUVH 5HFRYHU\ 7LPH	55	QV	0 \$ 50 \$ 55 \$ 7 M -			
			7 M -			
			7 M -			
3HDN UHFRYHU\ FXUUHQW	550	\$	7 M -	0 \$ GL GW \$ XV 950 9		
			7 M -			
5HYHUVH UHFRYHU\ FKDUJH		Q&	7 M -	400		
			7 M -			

v7KHUPDO &KDUDFWHULVWLFLV RWKHU\ VSHFLILHG

3\$5\$0(7(5	6<0%2/	81,7	085%
7KHUPDO 5HVLWDQFH	%HWZHHQ MXQFWLRQ DQG FDVH - :		5
	%HWZHHQ MXQFWLRQ DQG \$LU - :		5

v2UGHULQJ ,QIRUPDWLRQ

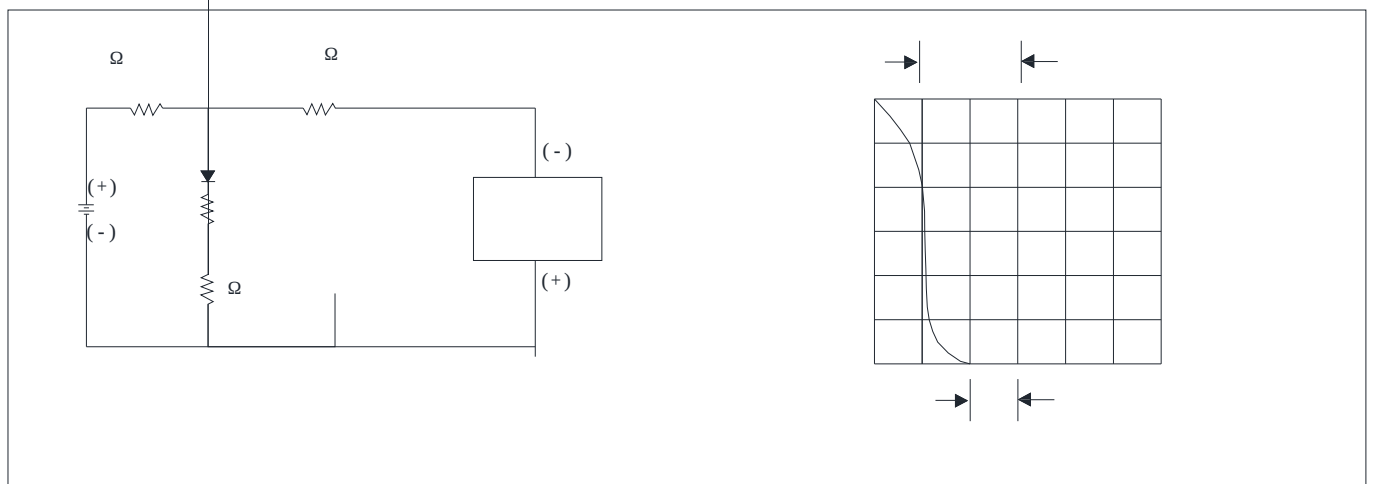
35()5(' 3 1	81,7 :(*+7 J	0,1,,080 3\$&.\$*(SFV	,11(5 %2; 48\$17,7< SF	287(5 &\$5721 48\$17,7< SF
085%	\$SSUR[LPDWH			

085%

7XEH

Characteristics

FIG.5: Diagram of circuit and Testing wave form of reverse recovery time



Disclaimer
