

MUR305SB THRU MUR360SB

Ultra-Fast Recovery Rectifier Diodes FRED

Features

- Low profile package
- Ideal for automated placement
- Glass passivated chip junction
- Super fast reverse recovery time
- High forward surge capability
- Meets MSL level 1, per J-STD-020,LF maximum peak of 260 °C

Typical Application

For use in high frequency rectification of power supply, inverters, converters, and freewheeling diodes for consumer and telecommunication.

Mechanical Data

- Package: DO-214AA(SMB)
 Molding compound meets UL 94 V-0 flammability rating,RoHS-compliant
- Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Polarity: Cathode line denotes the cathode end

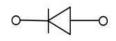
■ Maximum Ratings (Ta=25°C Unless otherwise specified)

DADAMETED	Symbol	Unit	Conditions	MURXXXSB					
PARAMETER			Conditions	305	310	315	320	340	360
Repetitive Peak Reverse Voltage	Vrrm	V		50	100	150	200	400	600
Average Forward Current	lo	А	60HZ Half-sine wave, Resistance load, Tc(Fig.1)	3					
Surge(Nonrepetitive)Forward Current	Ігѕм	А	60Hz sine wave, 1 cycle, Ta=25℃	75					
Storage Temperature	Tstg	°C		-55 ~ +175					
Junction Temperature	Tj	°C		-55 ~ +175					

Electrical Characteristics (Ta=25°C Unless otherwise specified)

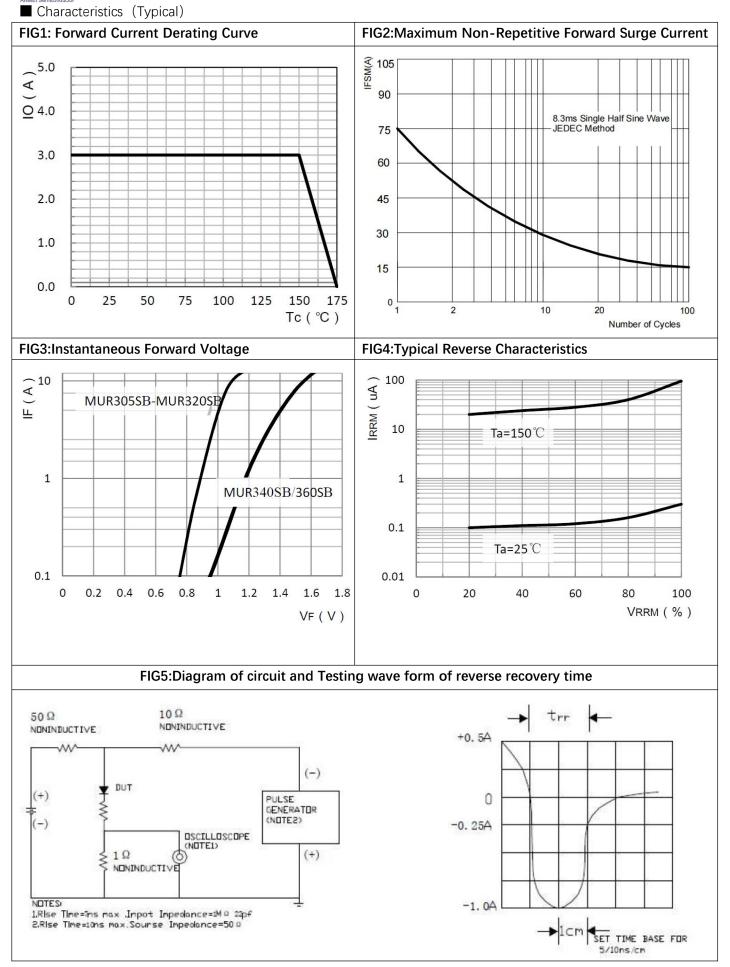
PARAMETER	Symbol	Unit	Conditions		MURXXXSB					
PARAMETER					305	310	315	320	340	360
Dook Forward Valtage	Vfm	V	@Ta=25 ℃			0.	1.30			
Peak Forward Voltage			@Ta=150 ℃			3.0	1.05			
Peak Reverse Current	IRRM1		Vrm=Vrrm	Ta=25℃	5				10	
	IRRM2	- μΑ		Ta=125℃	150				250	
Maximum reverse recovery time	Trr	ns	I _F =0.5A,I _R =1.0A		2	50				
Thermal Resistance	RθJ-L	°C/W	Between junction	11						







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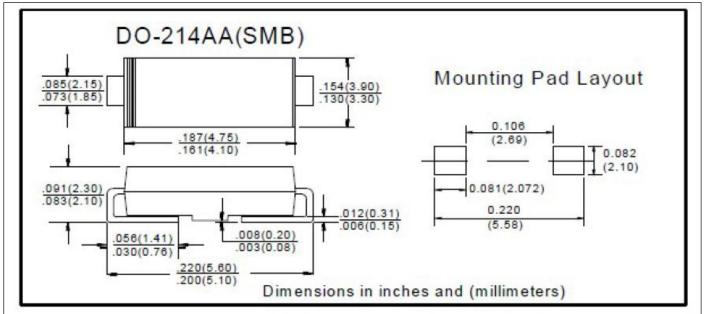
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Ordering Information (Example)

PREFERED	PACKAGE CODE		INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE	
MUR305SB~MUR360SB	DO-214AC(SMB)	3000	6000	48000	13" reel	

Outline Dimensions





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