

MUR440S THRU MUR460S

Super Fast Recovery Rectifier Diode 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-214AB(SMC)
 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)

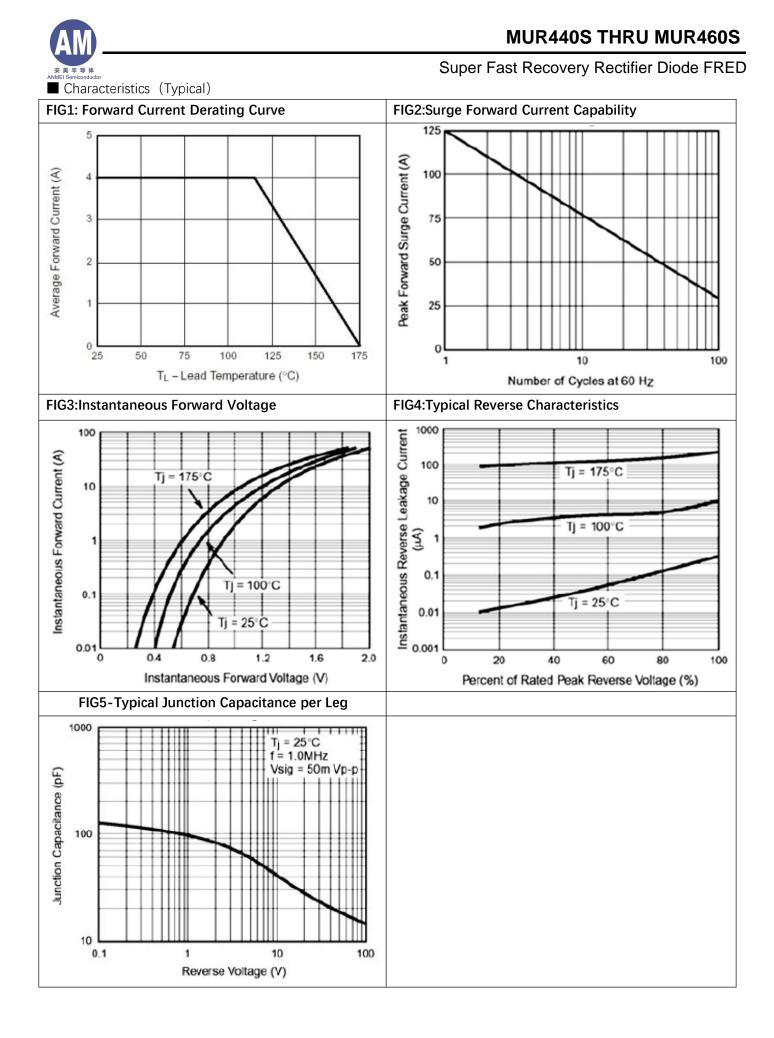
PARAMETER	Symbol	Unit	Conditions	MUR440S	MUR460S	
Repetitive Peak Reverse Voltage	Vrrm	V		400	600	
Average Forward Current	lo	А	Half-sine wave, Resistance load, Tc(Fig.1)	4.0		
Surge(Nonrepetitive)Forward Current	Ifsm	А	60HZ sine wave, 1 cycle, Ta=25 $^\circ\!\!\mathbb{C}$	125		
Storage Temperature	Tstg	°C		-55 ~ +150		
Junction Temperature	Tj	°C		-55 ~ +150		

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

PARAMETER	Symbol	Unit	Conditions		MUR440S	MUR460S
Peak Forward Voltage	Vғм		@I F=3A		1.25	
			@I F=4A		1.3	
Peak Reverse Current	IRRM1	- μΑ	Vrm=Vrrm	Ta=25 ℃	10	
	IRRM2			Ta=125 ℃	250	
Maximum reverse recovery time	Trr	ns	I _F =0.5A,I _R =1.0A,I _{rr} =0.25A		50	
Thermal Resistance	Rej-L	°C /W	Between junction and terminal		12	









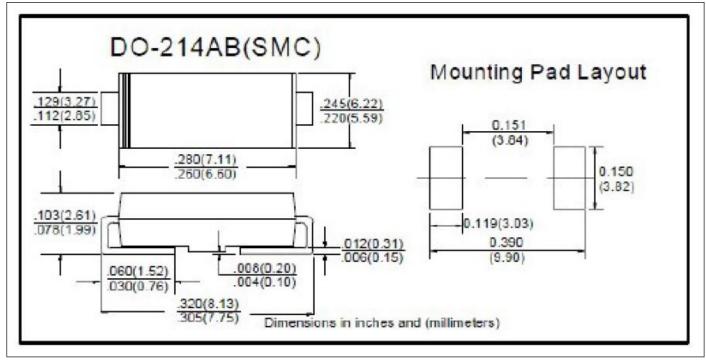
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Ordering Information (Example)

PREFERED	PACKAGE CODE		INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
MUR440S~MUR460S	DO-214AB(SMC)	3000	6000	42000	13" reel

Outline Dimensions





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