

#### **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



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



- 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





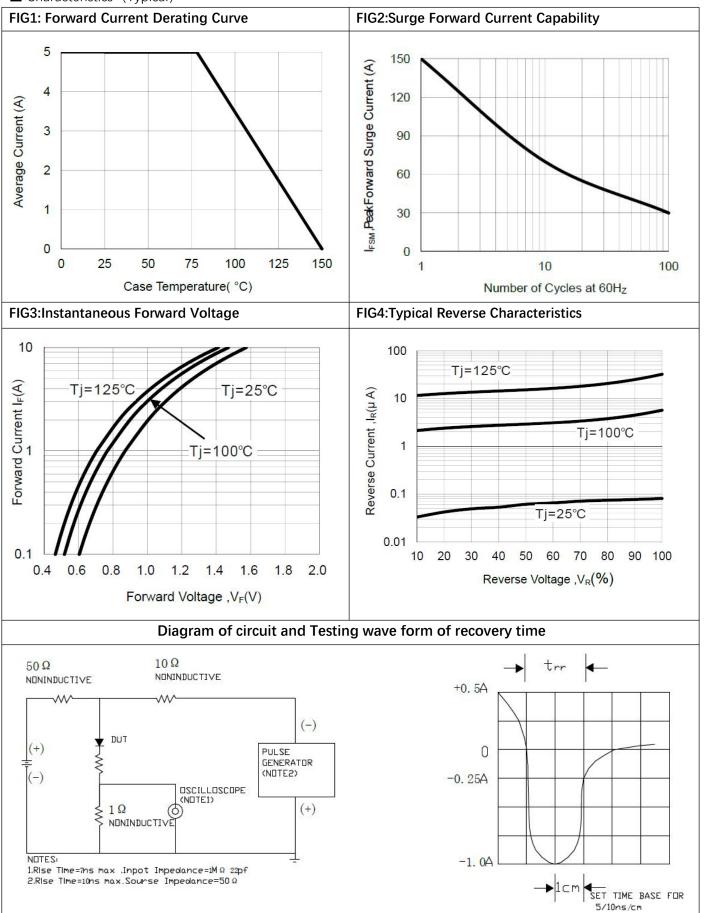
■ Maximum Ratings (Ta=25°C Unless otherwise specified)

PARAMETER	Symbol	Unit	Conditions	MUR540S	MUR560S
Repetitive Peak Reverse Voltage	VRRM	V		400	600
Average Forward Current	lo	Α	Half-sine wave, Resistance load, Tc(Fig.1)	5.0	
Surge(Nonrepetitive)Forward Current	IFSM	Α	60HZ sine wave, 1 cycle, Ta=25℃	150	
Storage Temperature	Tstg	°C		-55 ~ <b>+</b> 150	
Junction Temperature	Tj	°C		-55 ~	+150

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

PARAMETER	Symbol	Unit	Conditions		MUR440S	MUR560S
Peak Forward Voltage	VFM	V	@I F=5A	1.30		30
Peak Reverse Current	IRRM1		VRM=VRRM	Ta=25℃	10	
	IRRM2	μA		Ta=125℃	250	
Maximum reverse recovery time	Trr	ns	I <sub>F</sub> =0.5A,I <sub>R</sub> =1.0A,I <sub>rr</sub> =0.25A		50	
Thermal Resistance	Røj-L	°C /W	Between junction and terminal		12	

### ■ Characteristics (Typical)

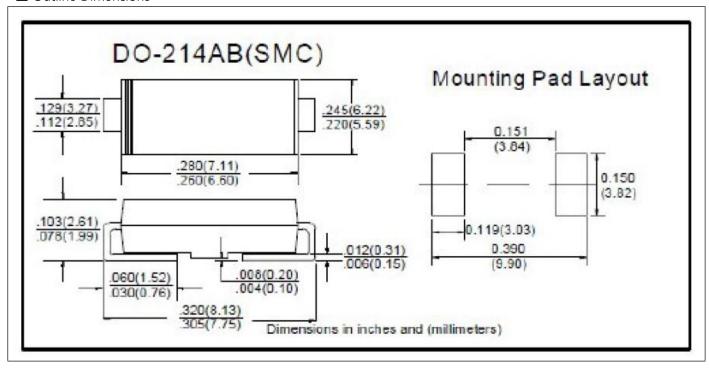




### ■ Ordering Information (Example)

PREFERED	PACKAGE CODE		INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
MUR540S~MUR560S	DO-214AB(SMC)	3000	6000	42000	13" reel

#### ■ Outline Dimensions



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