

## Features

Glass passivated junctions. High current capability, low VF. For use in low voltage, high

wheeling, and polarity protection applications.

frequency inverters free



SMB/DO-214AA

### Schottky Rectifiers Absolute Maximum Ratings\*

TA=25°Cunlessotherwisenoted

Symbol	Parameter	Value								Units
-		22	23	24	25	26	28	29	210	
V RRM	Maximum Repetitive Reverse Voltage	20 30 40 50 60 80 90 100		100	V					
F(AV)	Average Rectified Forward Current .375 " lead length @ T <sub>A</sub> = 75° C	2.0					A			
FSM	Non-repetitive Peak Forward Surge Current 8.3 ms Single Half-Sine-Wave	50			А					
stg	Storage Temperature Range -65 to +150			°C						
J	Operating Junction Temperature	-65 to +125			°C					

\*These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

### **Thermal Characteristics**

Symbol	Parameter	Value	Units
PD	Power Dissipation	1.3	W
R <sub>e ja</sub>	Thermal Resistance, Junction to Ambient *	75	° C/W

\*Device mounted on FR-4 PCB 0.013 mm.

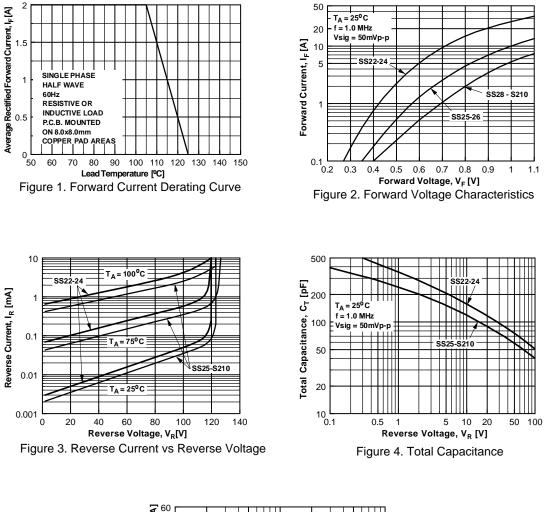
# Electrical Characteristics TA = 25°C unless otherwise noted

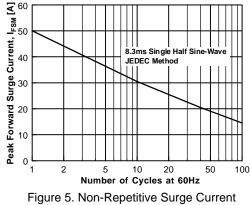
Symbol	Parameter		Device								Units
			22	23	24	25	26	28	29	210	
VF	Forward Voltage @ 2.0 A		500		700		850			mV	
IR	Reverse Current @ rated V <sub>R</sub> T <sub>A</sub> = 25° C		0.4						mA		
	T <sub>A</sub> = 100° C						10				mA



SS22-S210 COLORBANDDENOTESCATHODE

### **Typical Characteristics**





SS22-S210, Rev. C

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Datasheet Identification	Product Status	Definition
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		Rev. H4