

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 _A = 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 _{e ja}	Thermal Resistance, Junction to Ambient *	75	° C/W

*Device mounted on FR-4 PCB 0.013 mm.

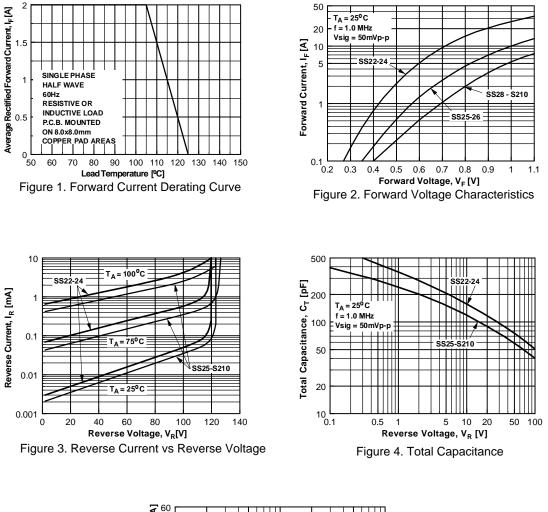
Electrical Characteristics TA = 25°C unless otherwise noted

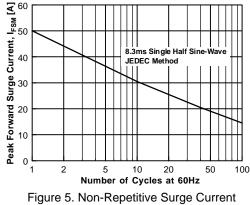
Symbol	Parameter		Device								Units
			22	23	24	25	26	28	29	210	
VF	Forward Voltage @ 2.0 A		500		700		850			mV	
IR	Reverse Current @ rated V _R T _A = 25° C		0.4						mA		
	T _A = 100° C						10				mA



SS22-S210 COLORBANDDENOTESCATHODE

Typical Characteristics





SS22-S210, Rev. C

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PRODUCT STATUS DEFINITIONS

Definition of Terms

Datasheet Identification	Product Status	Definition
Advance Information	Formative or In Design	This datasheet contains the design specifications for product development. Specifications may change in any manner without notice.
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