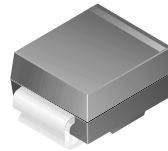




SS22 - S210

Features

- Glass passivated junctions.
- High current capability, low V_F .
- For use in low voltage, high frequency inverters free wheeling, and polarity protection applications.



SMB/DO-214AA
COLOR BAND DENOTES CATHODE

Schottky Rectifiers

Absolute Maximum Ratings* T_A = 25°C unless otherwise noted

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	V
I _{F(AV)}	Average Rectified Forward Current .375" lead length @ T _A = 75°C	2.0								A
I _{FSM}	Non-repetitive Peak Forward Surge Current 8.3 ms Single Half-Sine-Wave	50								A
T _{stg}	Storage Temperature Range	-65 to +150								°C
T _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
P _D	Power Dissipation	1.3	W
R _{θJA}	Thermal Resistance, Junction to Ambient *	75	°C/W

*Device mounted on FR-4 PCB 0.013 mm.

Electrical Characteristics T_A = 25°C unless otherwise noted

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

Typical Characteristics

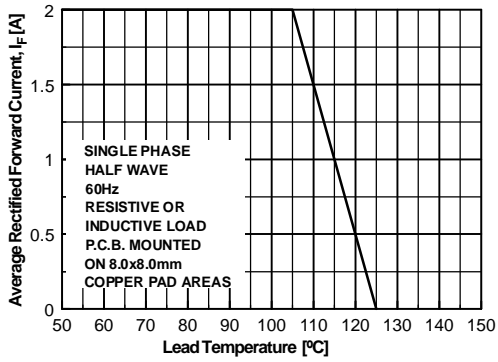


Figure 1. Forward Current Derating Curve

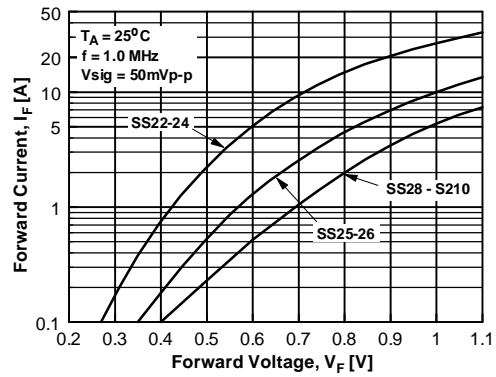


Figure 2. Forward Voltage Characteristics

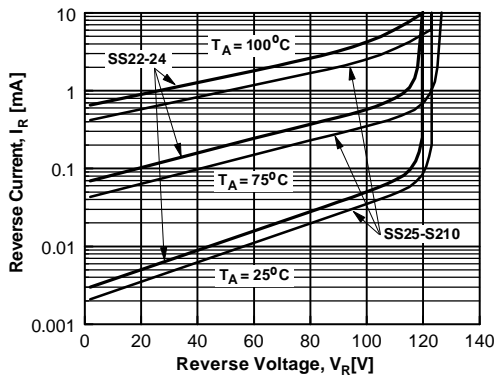


Figure 3. Reverse Current vs Reverse Voltage

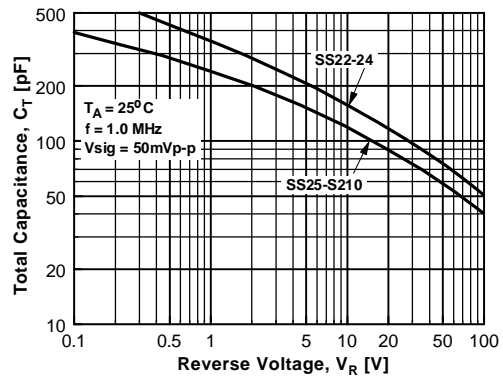


Figure 4. Total Capacitance

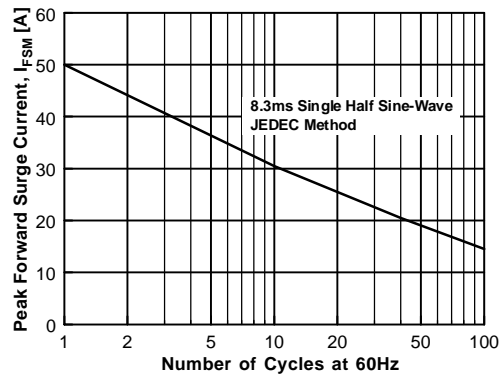


Figure 5. Non-Repetitive Surge Current

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