



PINGWEI ENTERPRISE

SS22 THRU SS220

2.0AMPS. SCHOTTKY BARRIER RECTIFIERS

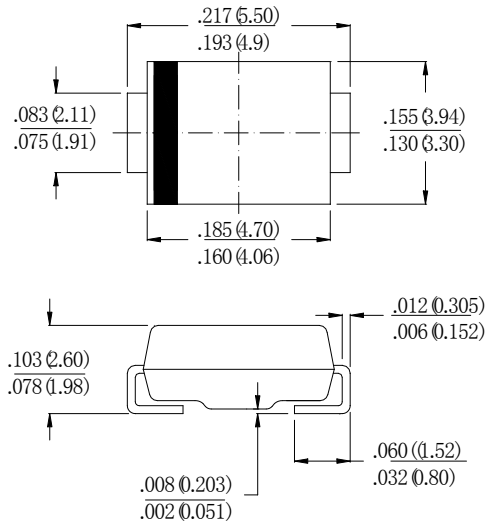
FEATURE

- . For surface mounted application
- . High current capability
- . Low forward voltage drop
- . Low power loss, high efficiency
- . High surge current capability
- . High temperature soldering guaranteed:
260°C/10 seconds at terminals.

MECHANICAL DATA

- . Terminal: Solder plated
- . Case: Molded with UL-94 Class V-0 recognized
Flame Retardant Epoxy
- . Polarity: color band denotes cathode
- . Packaging: 12mm tape per EIA STD RS-481

SMB (DO-214AA)



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

Type Number	SYMBOL	SS22	SS23	SS24	SS25	SS26	SS28	SS29	SS210	SS215	SS220	units	
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	20	30	40	50	60	80	90	100	150	200	V	
Maximum RMS Voltage	V_{RMS}	14	21	28	35	42	56	63	70	105	140	V	
Maximum DC blocking Voltage	V_{DC}	20	30	40	50	60	80	90	100	150	200	V	
Maximum Average Forward Rectified Current at $T_L=90^\circ\text{C}$	$I_{F(AV)}$	2.0										A	
Peak Forward Surge Current 8.3ms single half sine- wave superimposed on rated load (JEDEC method)	I_{FSM}	50.0										A	
Maximum Forward Voltage at 2.0A DC	V_F	0.45	0.55	0.70			0.85		0.95			V	
Maximum DC Reverse Current at rated DC blocking voltage	I_R	@ $T_A=25^\circ\text{C}$					0.1						mA
		@ $T_A=100^\circ\text{C}$					10.0						
Typical Junction Capacitance (Note 1)	C_J	200					48					pF	
Typical Thermal Resistance (Note 2)	$R_{(JA)}$	75										°C/W	
Storage Temperature	T_{STG}	-55+150										°C	
Operation Junction Temperature	T_J	-55 to +125				-55 to +150							°C

Note:

1. Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc
2. Measured on P.C. Board with 0.2×0.2”(5.0×5.0mm)Copper Pad Areas.