2A/SMA Series

General Description

Schottky (Schottky) diode is also known as Schottky barrier rectifiers (SBR),) has been in the power supply industry for 25 years, it is a low-power, ultra-high speed semiconductor devices, widely used in switching power supplies, frequency converters, Driver circuit, such as high frequency, low voltage, high current rectifier diode, continuous current diode, protection diode, or microwave communication circuit as rectifier diode, small signal detector diode.

Features

- Surface mount overcurrent protection.
- Resettable protection is desired
- Protecting against over-current and over-temperature faults
- RoHS compliant , lesd-free and halogen free .



DO-214AA(SMB)



Schottky diode schematic symbol

Electrical Characteristics

TYPE	$I_{(AV)}$	V_{RRM} @I_{RM}	I_{FSM}	V_{FM}		I_{RM} @ V_{RRM} T_A=25℃	Case Style
				V_{FM}	$I_{(AV)}$		
	A	V	A	V	A	mA	
SS22/SMB	2.0	20	50	0.50	2.0	0.5	SMB/Do-214AA
SS23/ SMB	2.0	30	50	0.55	2.0	0.5	SMB/Do-214AA
SS24/SMB	2.0	40	50	0.55	2.0	0.5	SMB/Do-214AA
SS25/SMB	2.0	50	50	0.70	2.0	0.5	SMB/Do-214AA
SS26/SMB	2.0	60	50	0.70	2.0	0.5	SMB/Do-214AA
SS28/SMB	2.0	80	50	0.85	2.0	0.5	SMB/Do-214AA
SS210/SMB	2.0	100	50	0.85	2.0	0.5	SMB/Do-214AA
*SS215/SMB	2.0	150	50	0.90	2.0	0.5	SMB/Do-214AA
*SS220/SMB	2.0	200	50	0.90	2.0	0.5	SMB/Do-214AA

- $I_{(AV)}$ ····· Average Forward Rectified Current
- I_{RM} ····· Maximum Reverse Leakage Current
- I_{RRM} ····· Repetitive Peak Reverse Current
- I_{RSM} ····· Maximum Non-repetitive Reverse Peak Current
- V_{FM} ····· Maximum Forward Voltage
- V_{FR} ····· Forward Recovery Voltage
- V_{RRM} ····· Maximum Repetitive Peak Reverse Voltage

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Characteristics Curve (TA=25℃ unless otherwise noted)

FIG. 1-TYPICAL FORWARD CURRENT DERATING CURVE

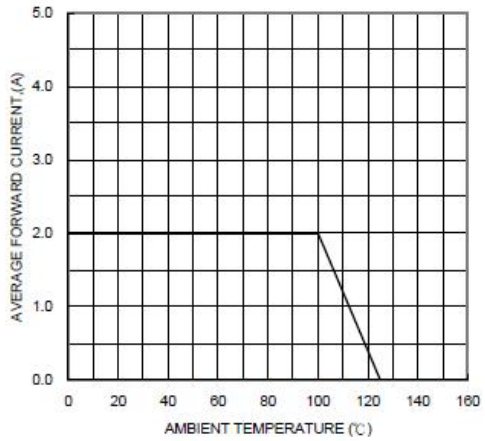


FIG. 2-TYPICAL FORWARD CHARACTERISTICS

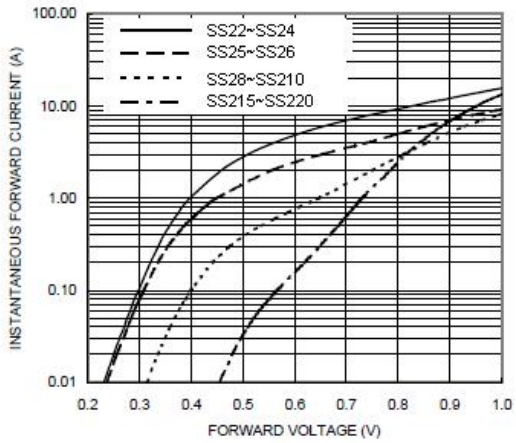


FIG. 3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

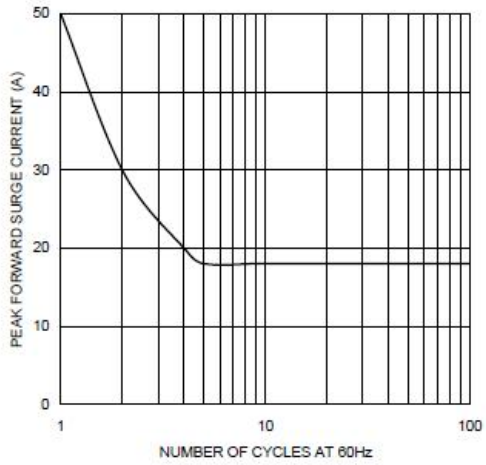


FIG. 4-TYPICAL REVERSE CHARACTERISTICS

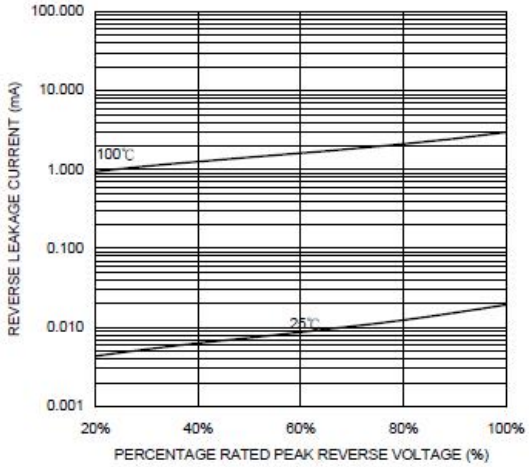
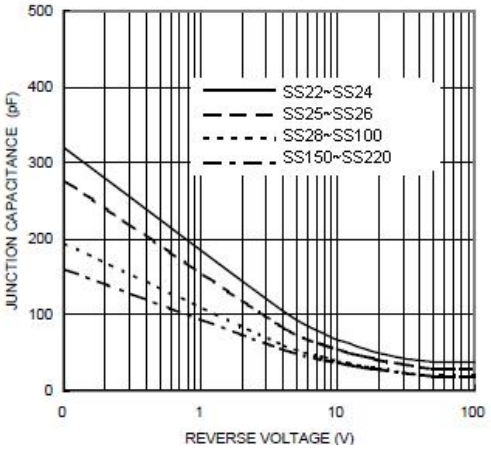
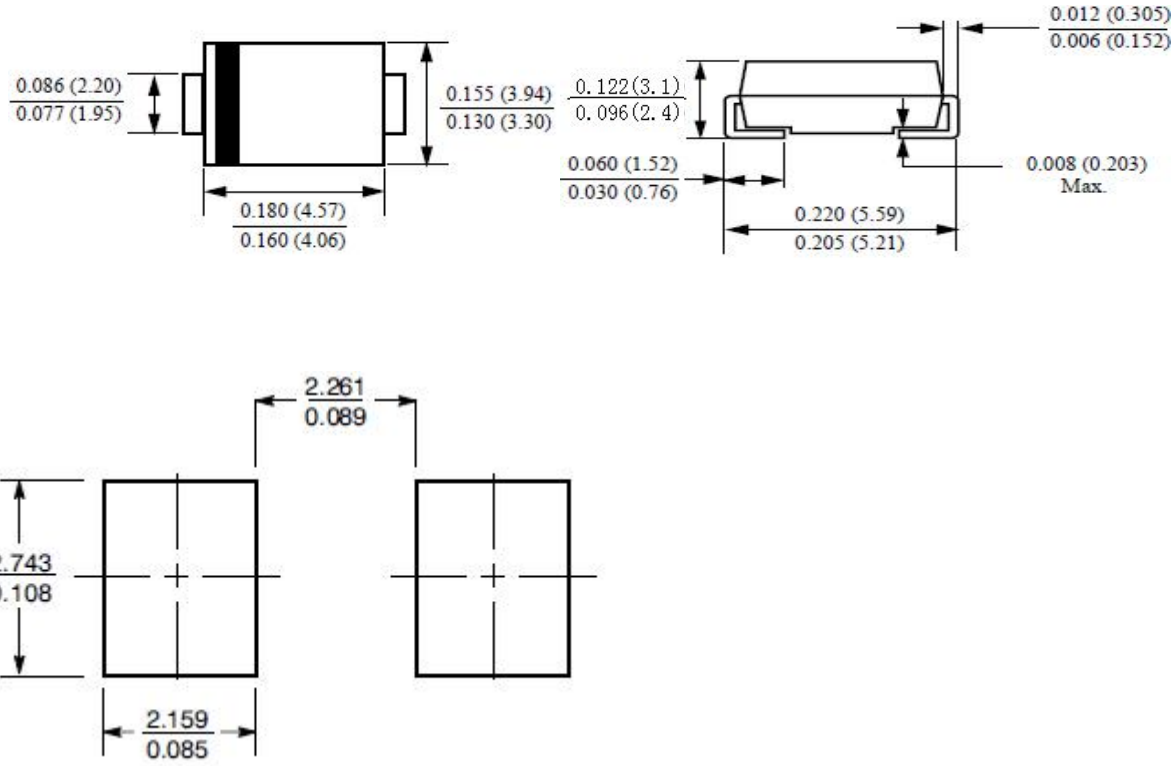


FIG. 5-TYPICAL JUNCTION CAPACITANCE



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SMB(Dimension Unit: inch / mm)



Packing Information

2500PCS/Reel 30,000PCS /Box

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