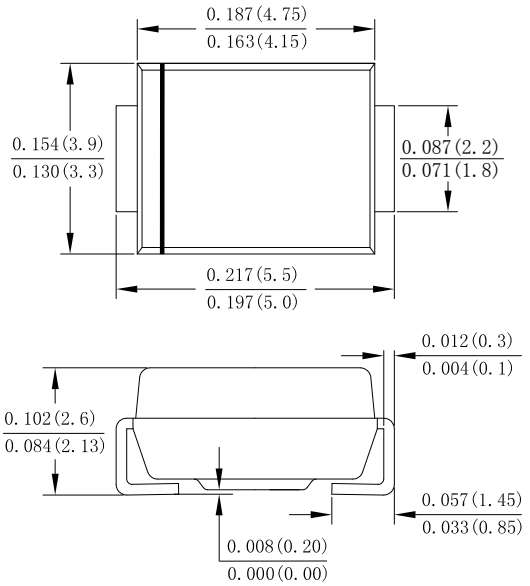
SS22B THRU SS2250B

2.0 AMP Surface Mount Schottky Barrier Rectifiers

Features

- Schottky Barrier Chip
- Low Power Loss,High Efficiency
- Ideally Suited for Automatic Assembly
- Plastic Case Material has UL Flammability Classification Rating 94V-0

Case: SMB (DO-214AA)



Dimensions in inches and (millimeters)

Mechanical Data

- Case: Molded plastic SMB
- Terminals: Plated leads solderable per MIL-STD-750,Method 2026 guaranteed
- Polarity: Color band dentes cathode end
- Mounting Position: Any
- Making: Type Number

Marking

SYMBOL	SS22B	SS23B	SS24B	SS245B	SS25B	SS26B	SS28B	SS210B	SS2150B	SS220B	SS2250B
Marking	SS22	SS23	SS24	SS245	SS25	SS26	SS2B	SS210	SS2150	SS220	SS2250

Maximum Ratings and Electrical Characteristics

Rati ng at 25℃ ambient temperature unless otherwise specified Single phase,half wave,60Hz,resistive or inductive load

For capacitive load derate current by 20%

Type Number	SYMBOL	SS 22B	SS 23B	SS 24B	SS 245B	SS 25B	SS 26B	SS 28B	SS 210B	SS 2150B	SS 220B	SS 2250B	Unit
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	20	30	40	45	50	60	80	100	150	200	250	V
Maximum RMS Voltage	V_{RMS}	14	21	28	31	35	42	56	70	105	140	175	V
Maximum DC Blocking Voltage	V_{DC}	20	30	40	45	50	60	80	100	150	200	250	V
Average Rectified Output Current @T_L =100℃	$I_{F(AV)}$	2.0											A
Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	50											A
Forward Voltage @IF=2.0A	V_{FM}	0.55				0.7		0.85		0.92		0.95	V
Peak Reverse Current @T_A =25℃	I_R	0.1						0.05					mA
At Rated DC Blocking Voltage @T_A =100℃		10						5					mA
I^2t Rating for fusing (t <8.3ms)	I^2t	10.37											A^2s
Typical Junction Capacitance (Note 2)	C_J	80						40					pF
Typical Thermal Resistance	$R_{\theta JA}$	95											℃/W
Operating Temperature Range	T_J	-55 to+150											℃
Storage Temperature Range	T_{STG}	-55 to +150											℃

Note: 1.Pulse Test with PW=300usec,1%Duty Cycle.

2. Measured at 1.0 MHz and Applied reverse Voltage of 4.0V D.C

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Fig. 1 Forward Current Derating Curve

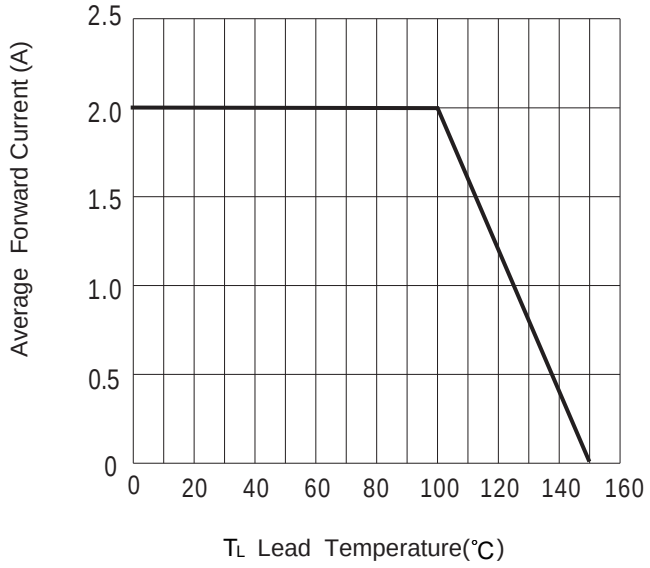


Fig. 2 Typ. Forward Characteristics

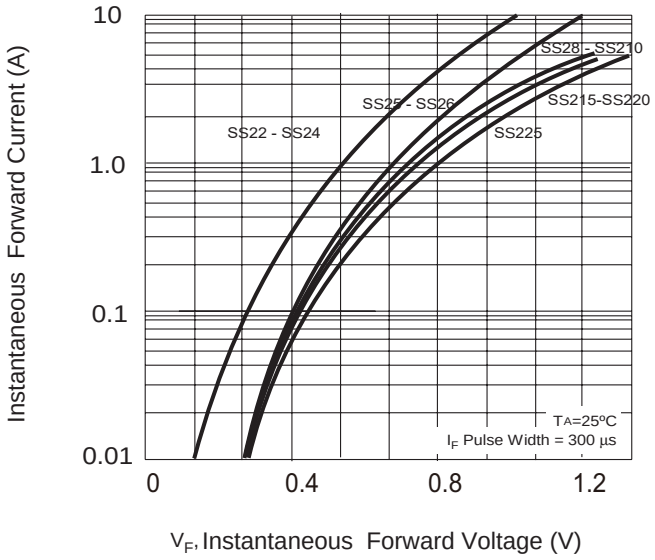


Fig. 3 Max Non-Repetitive Peak Fwd Surge Current

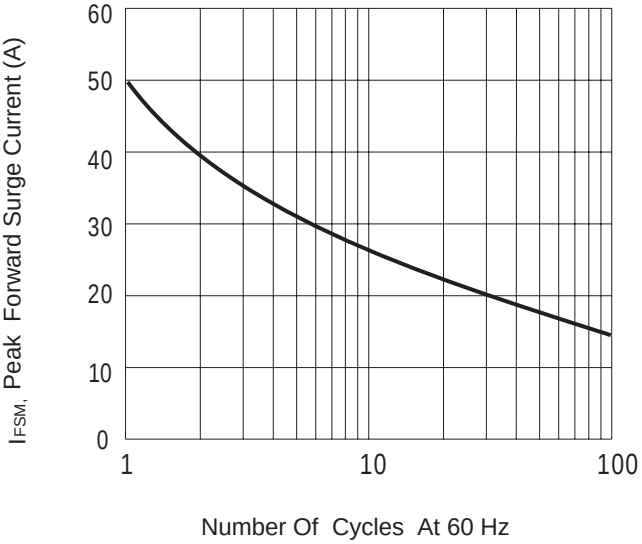


Fig.4 Typical Reverse Chracteristics

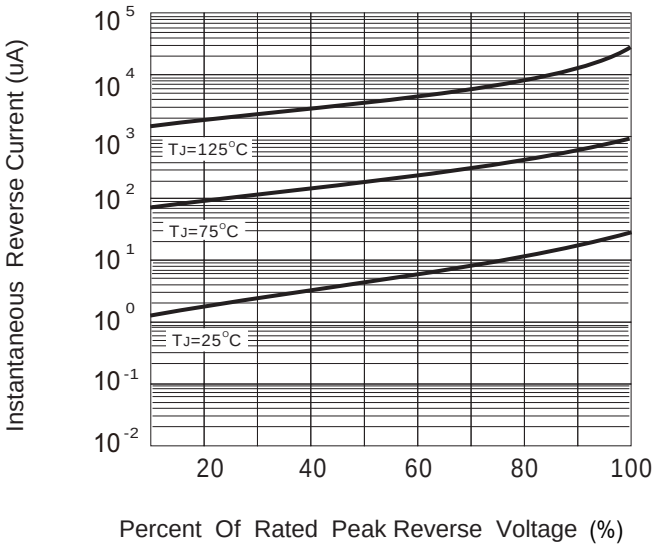
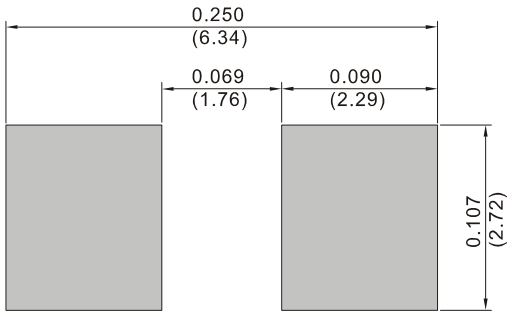


Fig.5 Mounting PAD Layout



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