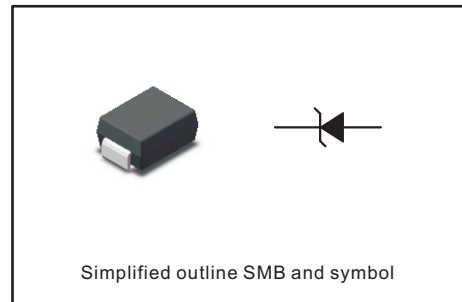


**SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS**
**FEATURES**

- Metal-Semiconductor junction with gard ring
- Epitaxial construction
- Low forward voltage drop
- High current capability
- The plastic material carries UL recognition 94V-0
- For use in low vlotage, high frequency inverters, free wheeling, and polarity protection applications

**PINNING**

PIN	DESCRIPTION
1	Cathode
2	Anode


**MECHANICAL DATA**

- Case: Molded Plastic
- Polarity: Color band denotes cathode
- Weight: 0.007 ounces, 0.21 grams

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Type Number	SYMBOL	SS 22B	SS 23B	SS 24B	SS 245B	SS 25B	SS 26B	SS 28B	SS 210B	SS 215B	SS 220B	SS 225B	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 @ $T_L = 100^\circ C$	$I_{F(AV)}$	2.0											A	
Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	$I_{FSM}$	50											A	
Forward Voltage @ $I_F = 2.0A$	$V_{FM}$	0.55			0.7		0.85		0.92		0.95		V	
Peak Reverse Current @ $T_A = 25^\circ C$	$I_R$	0.1						0.05						mA
At Rated DC Blocking Voltage @ $T_A = 100^\circ C$		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											$^\circ C/W$	
Operating Temperature Range	$T_J$	-55 to +150											$^\circ C$	
Storage Temperature Range	$T_{STG}$	-55 to +150											$^\circ C$	

Note: 1. Pulse Test with  $PW = 300\mu sec$ , 1% Duty Cycle.

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

Fig. 1 Forward Current Derating Curve

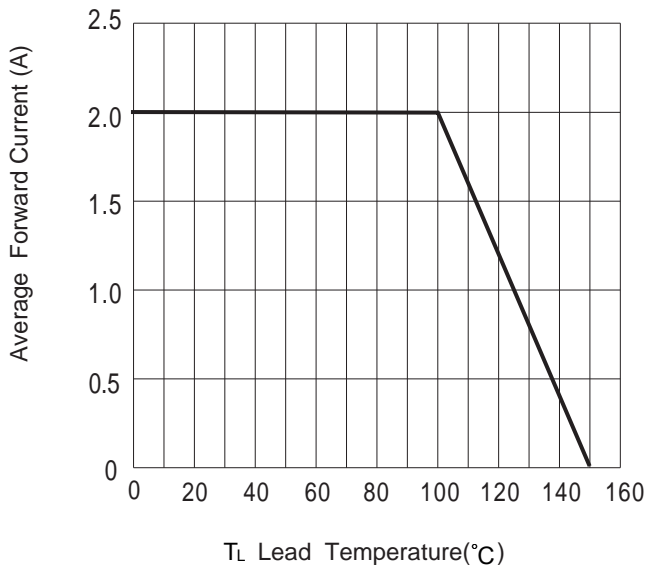


Fig. 2 Typ. Forward Characteristics

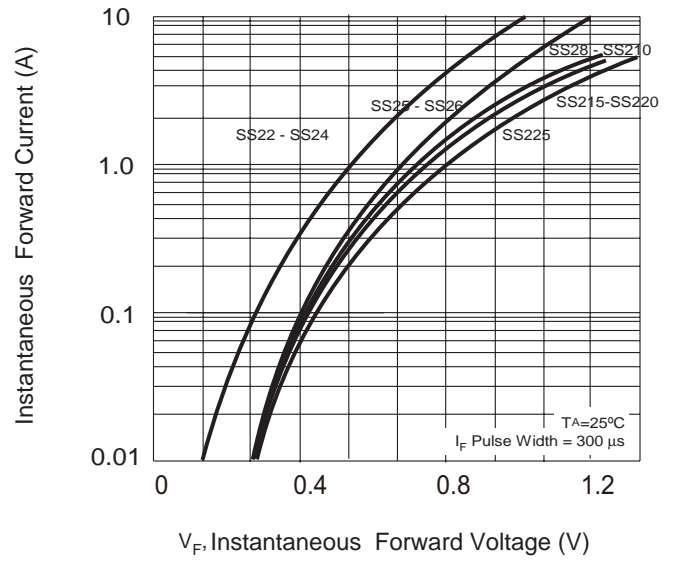


Fig. 3 Max Non-Repetitive Peak Fwd Surge Current

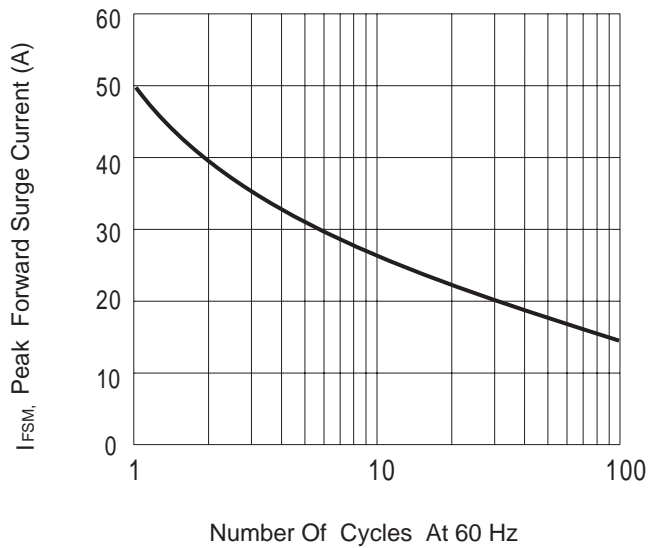


Fig. 4 Typical Reverse Characteristics

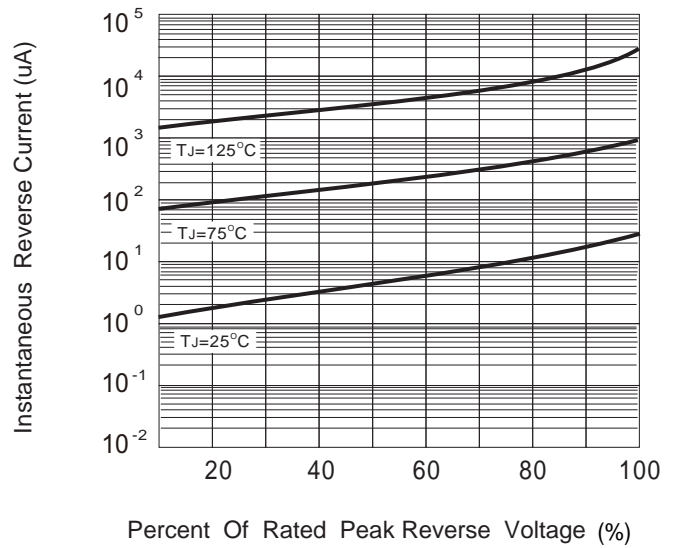
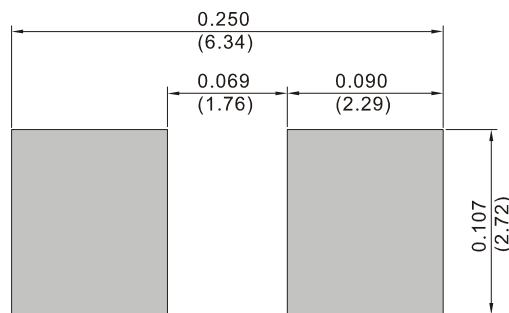
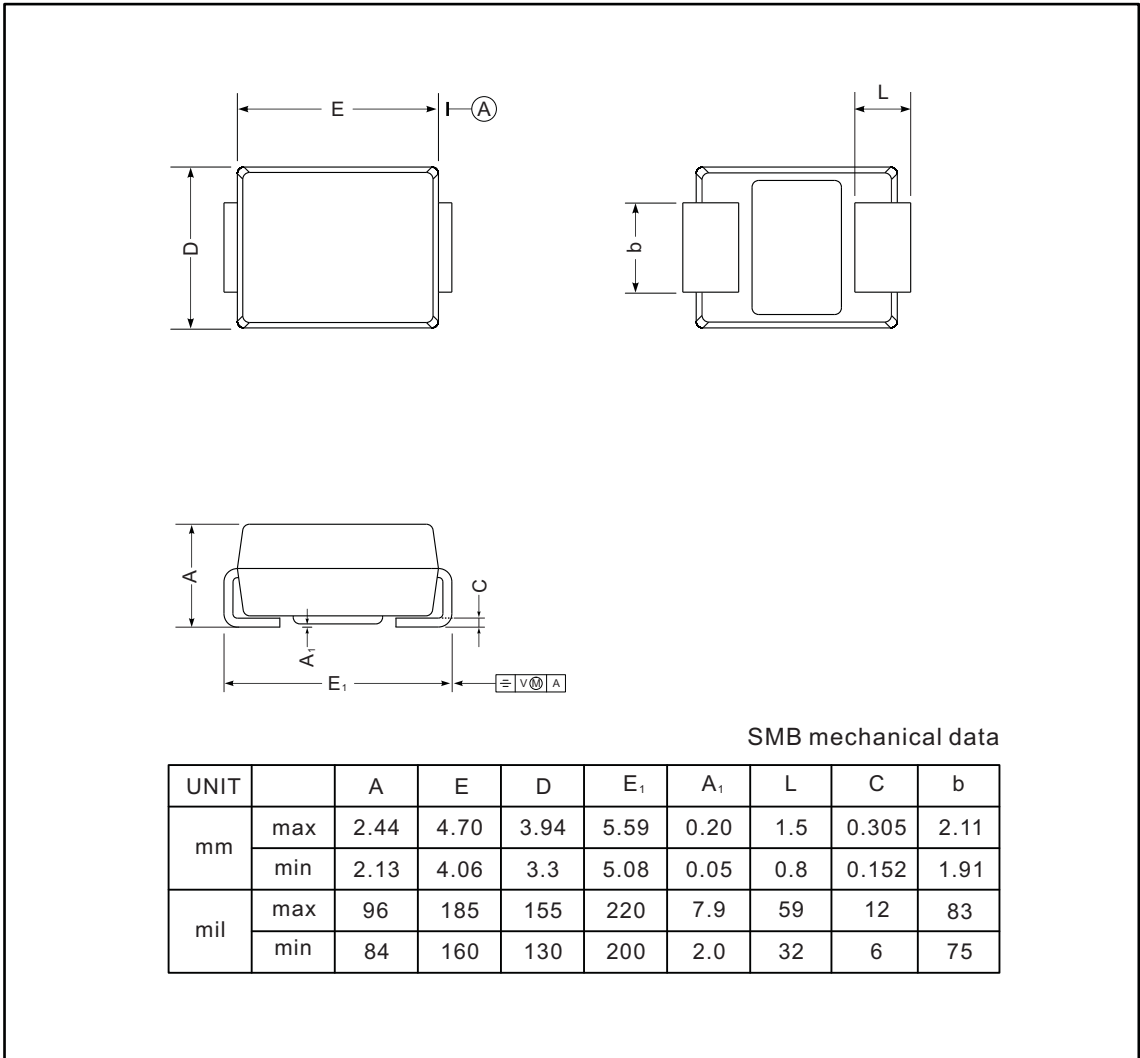


Fig. 5 Mounting PAD Layout



## PACKAGE OUTLINE

Plastic surface mounted package; 2 leads



### The recommended mounting pad size

