

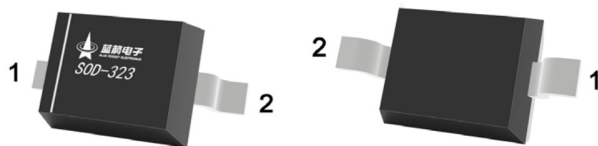
Rev.A Sep.-2024

SOD-323

Schottky Barrier Rectifiers in a SOD-323 Plastic Package.

High current rectifier Schottky diodes, Low voltage, low inductance, HF Product.

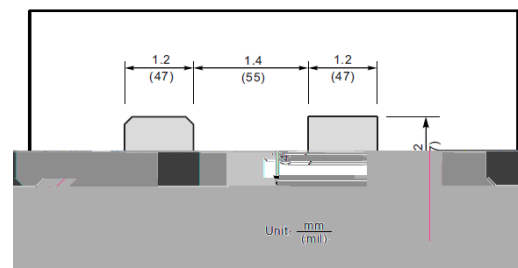
General purpose.



PIN1:Cathode

PIN2:Anode

The recommended mounting pad size



Type	number
BAT60B	HW5

	Symbol	Rating	Unit
	V_{RRM}	10	V
	I_F	3	A
	I_{FSM}	20	A
	P_D	350	mW
	T_J, T_{stg}	-55 ~ +150	

Test Conditions	Rating	Unit
$I_F=10mA$	0.30	V
$I_F=100mA$	0.38	
$I_F=500mA$	0.50	
$I_F=1000mA$	0.60	

Fig.1 Power Derating Curve

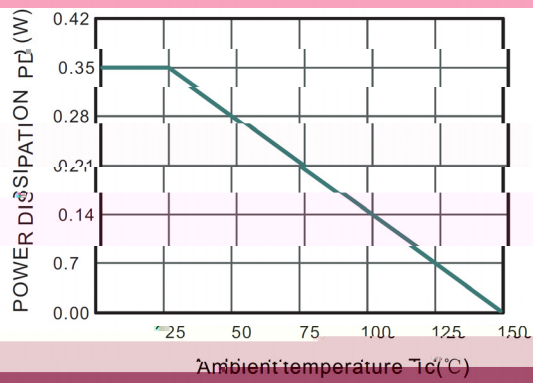


Fig.2 Typical Reverse Characteristics

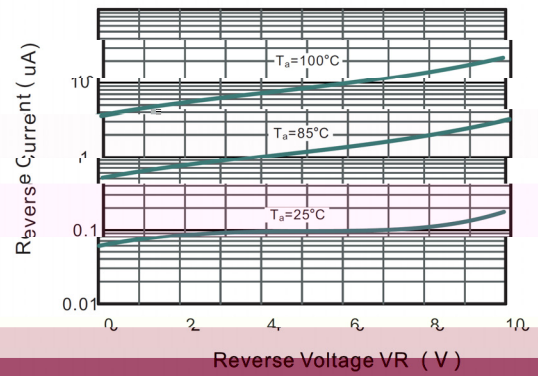


Fig.3 Typical Junction Capacitance

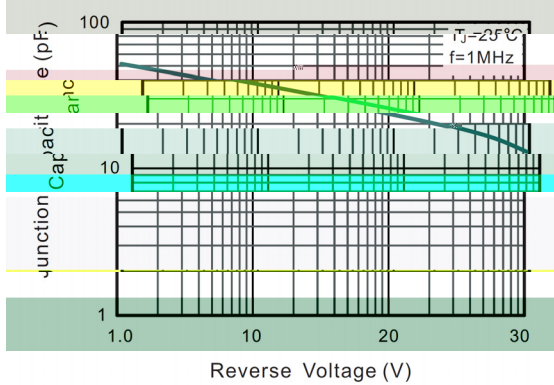


Fig.4 Typical Forward Characteristic

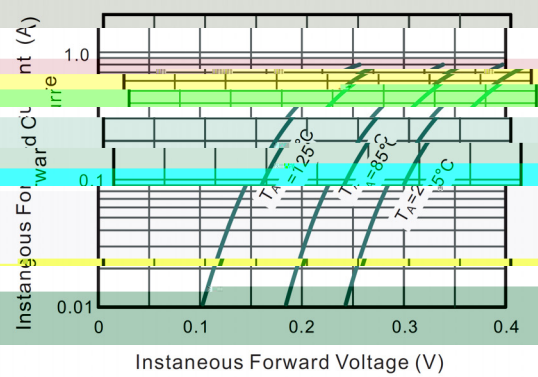
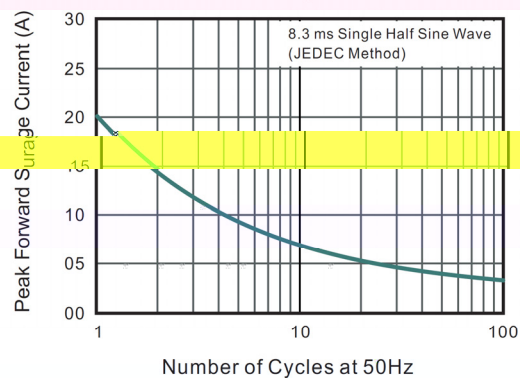
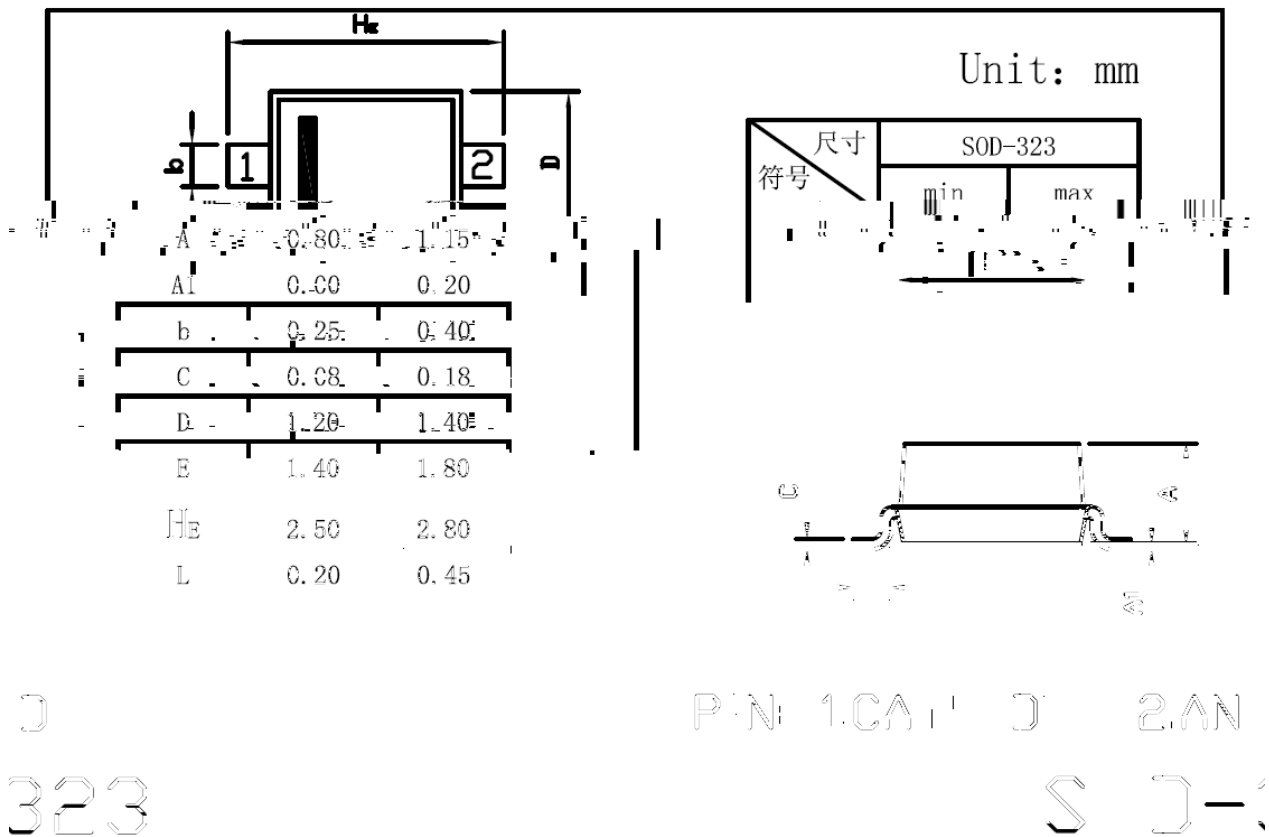


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current





Temperature Profile for IR Reflow Soldering(Pb-Free)

- 1

150 180

60 90sec;
- 2

245±5

5±0.5sec;
- 3

2 10 /sec.
- Note:

1.Preheating:150~180 , Time:60~90sec.

2.Peak Temp.:245±5 , Duration:5±0.5sec.

3. Cooling Speed: 2~10 /sec.

260±5