



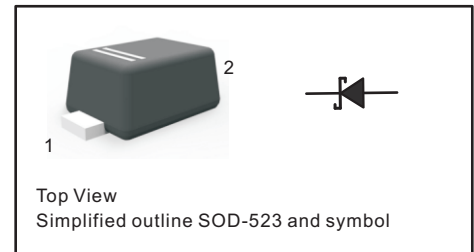
**SCHOTTKY BARRIER RECTIFIERS**

**FEATURES**

- Low Forward Voltage Drop
- Fast Switching Time
- Surface Mount Package Ideally Suited for Automated Insertion
- Lead, Halogen and Antimony Free, RoHS Compliant "Green" Device

**PINNING**

PIN	DESCRIPTION
1	Cathode
2	Anode



Maximum Ratings and Electrical characteristics  
Ratings at 25 °C ambient temperature unless otherwise specified.

Parameter	Symbols	SD103AWT	Units
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	$V_{RRM}$ $V_{RWM}$ $V_R$	40	V
RMS Reverse Voltage	$V_{R(RMS)}$	28	V
Forward Continuous Current	$I_F$	200	mA
Non-Repetitive Peak Forward Surge Current @t = 8.3ms	$I_{FSM}$	0.5	A
Power dissipation	$P_D$	200	mW
Reverse Breakdown Voltage	$V_{BR}$	40(Min)	V
Forward Voltage	$V_F$	0.27(Typ) 0.32(Typ) 0.37(Max) 0.60(Max)	V
Peak Reverse Current	$I_R$	5.0(Max)	uA
Typical Junction Capacitance	$C_T$	50	pF
Junction Temperature	$T_j$	125	°C
Storage Temperature	$T_{stg}$	-55 ~ +150	°C



Fig.1 Power Derating Curve

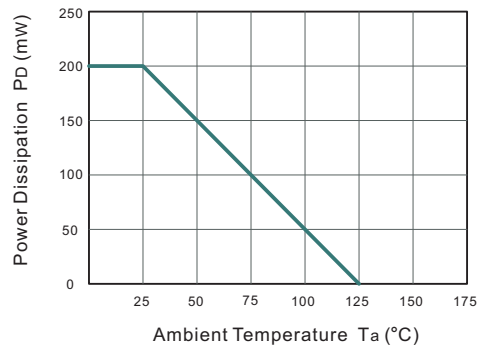


Fig.2 Typical Instaneous Reverse Characteristics

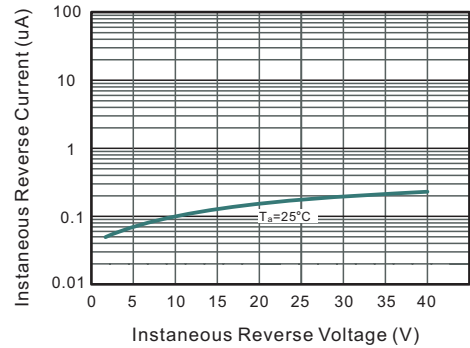


Fig.3 Typical Forward Characteristic

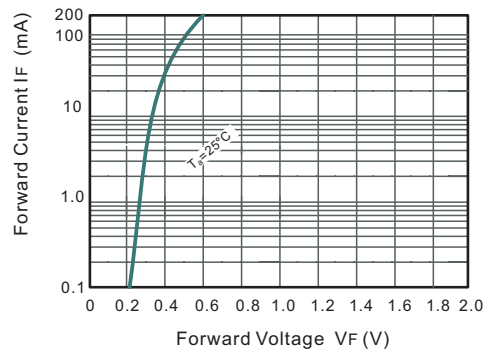
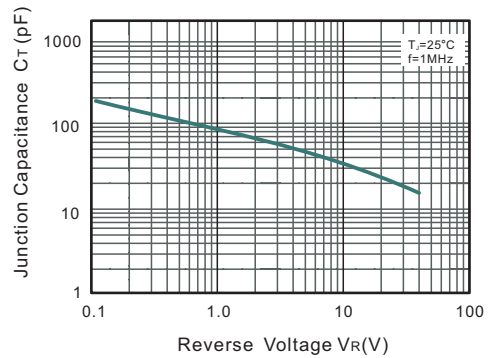


Fig.4 Typical Junction Capacitance

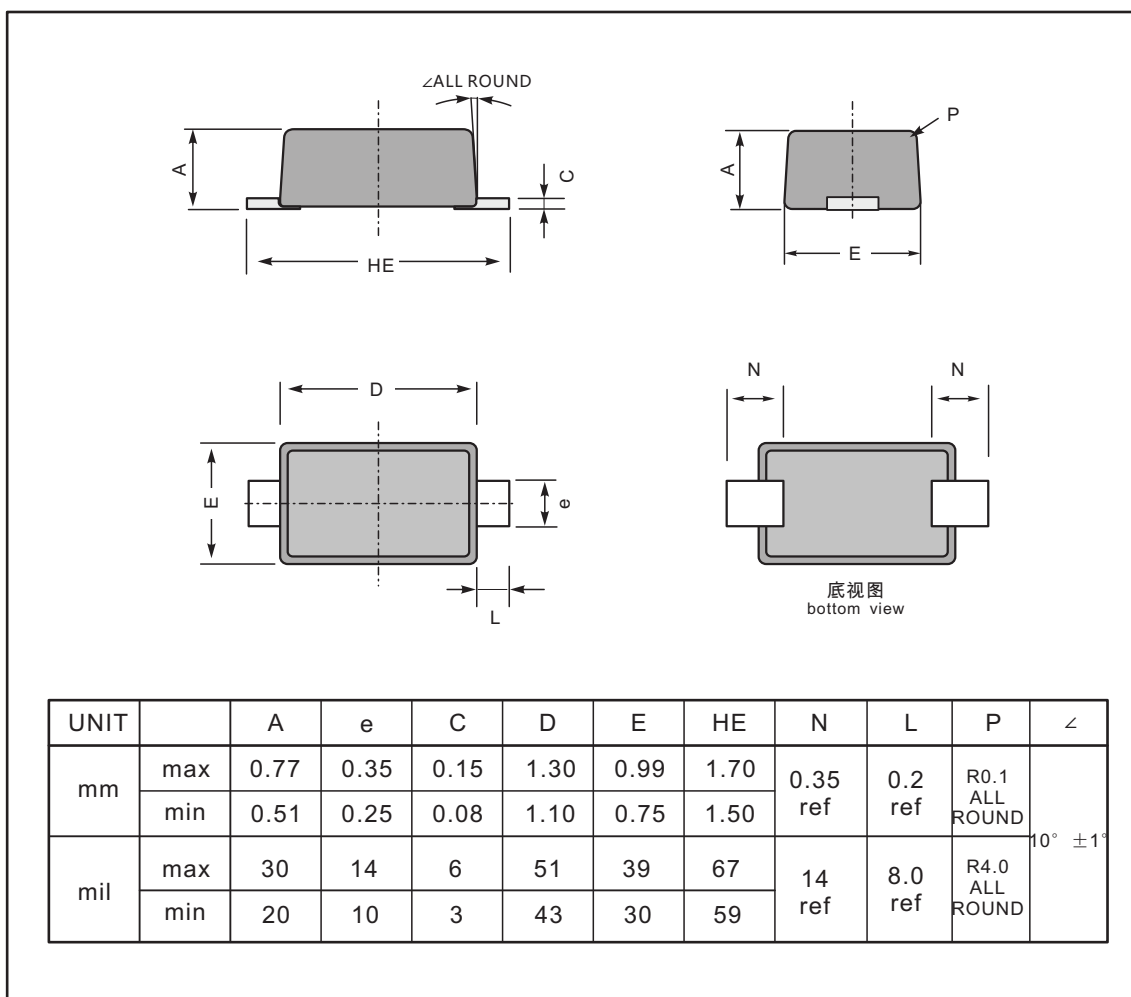




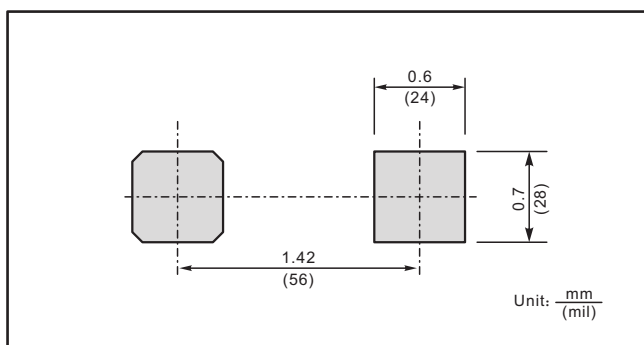
## PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-523



### The recommended mounting pad size



### Marking

Type number	Marking code
SD103AWT	S4

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