

# BAS70WX

## SURFACE MOUNT SCHOTTKY BARRIER

**VOLTAGE** 70 Volt **CURRENT** 0.07 Ampere

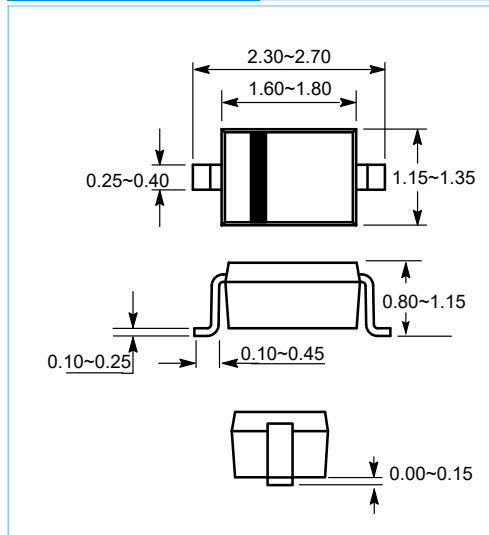
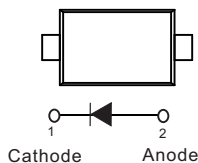
**SOD-323** Unit:mm

### FEATURES

- Extremely Fast Switching Speed
- Low Turn-on Voltage
- Lead free in compliance with EU RoHS
- Marking code: 43

### MECHANICAL DATA

- Case Material: Molded Plastic.
- UL Flammability Classification Rating 94V-0



### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS( $T_A = 25^\circ\text{C}$ unless otherwise noted)

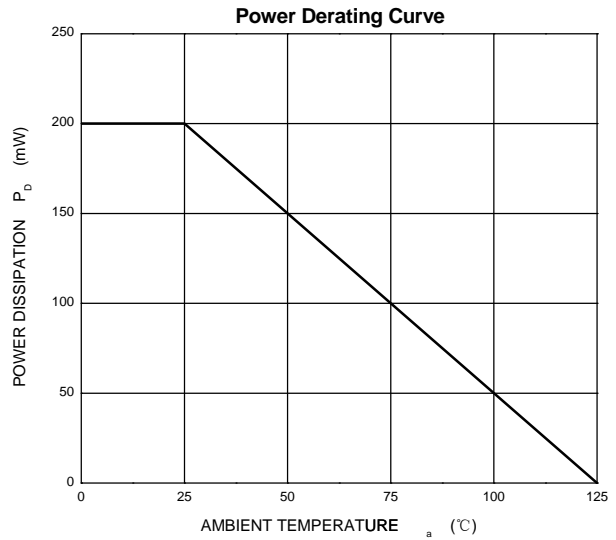
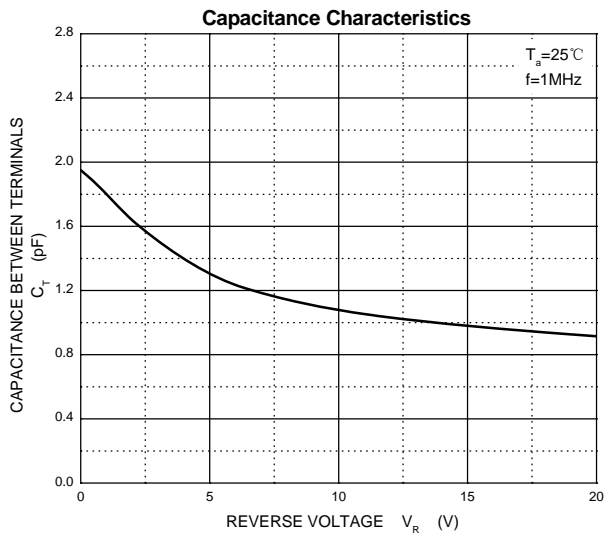
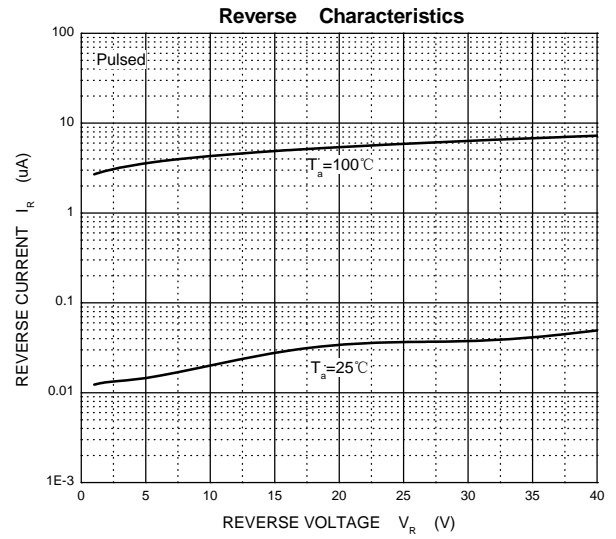
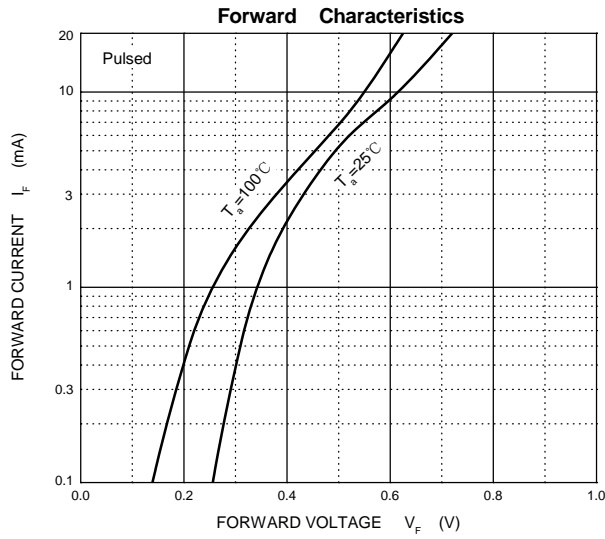
Parameter	Symbol	Value	Units
Non-repetitive peak reverse voltage	$V_{RM}$	70	V
Forward continuous current	$I_{FM}$	0.07	A
Non-repetitive Peak Forward surge current @ $t=8.3\text{ms}$	$I_{FSM}$	0.1	A
Power dissipation	$P_D$	200	mW
Thermal resistance junction to ambient	$R_{\theta JA}$	500	K/W
Junction Temperature	$T_J$	125	$^\circ\text{C}$
Storage Temperature	$T_{STG}$	-55 to +150	$^\circ\text{C}$

### ELECTRICAL CHARACTERISTICS( $T_A = 25^\circ\text{C}$ unless otherwise noted)

Characteristic	Symbol	Conditions	Min	Typ	Max	Unit
Reverse Leakage	$I_R$	( $V_R = 50\text{ V}$ )			0.1	$\mu\text{A}$
Forward Voltage	$V_F$	( $I_F = 1.0\text{ mA}$ ) ( $I_F = 15\text{ mA}$ )			0.41 1.00	V
Total Capacitance	$C_T$	( $V_R = 1.0\text{ V}$ , $f = 1.0\text{ MHz}$ )			2	pF
Reverse Recovery Time	$t_{rr}$	$I_F=I_R=10\text{mA}$ $I_{rr}=0.1I_R, R_L=100\Omega$			5.0	ns

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## Typical Characteristics

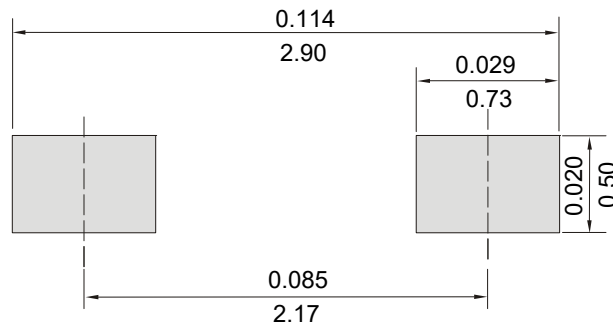


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## MOUNTING PAD LAYOUT

**SOD-323**

Unit:Inch(mm)



## ORDER INFORMATION

- Packing information

Part Number	Case	Reel Size	QUANTITY
BAS70WX	SOD-323	7 Inch	3000