

BAS70WX

SURFACE MOUNT SCHOTTKY BARRIER

VOLTAGE 70 Volt **CURRENT** 0.07 Ampere

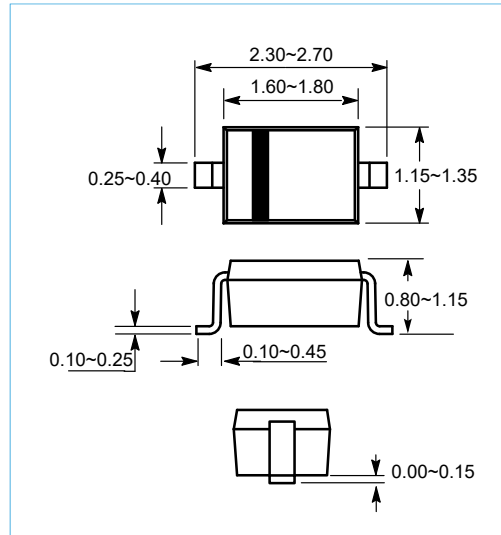
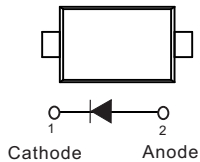
SOD-323 Unit:mm

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)

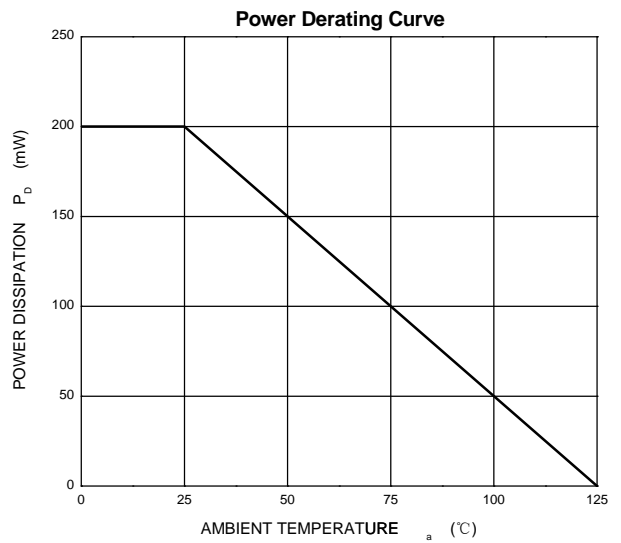
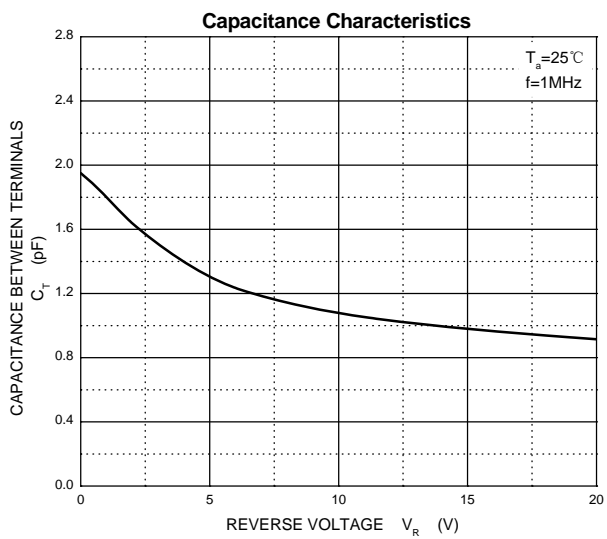
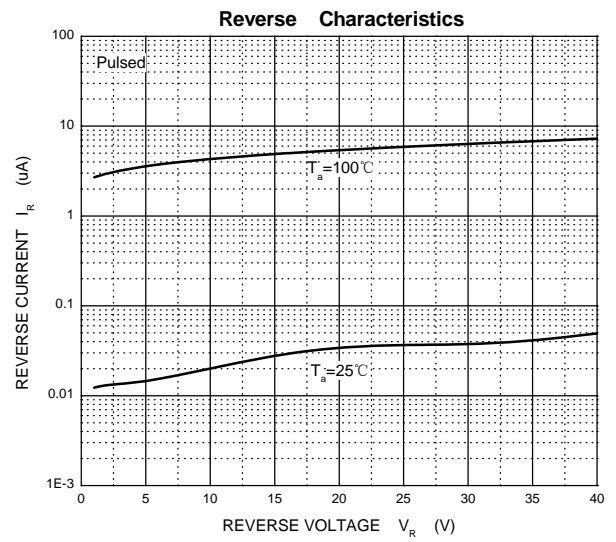
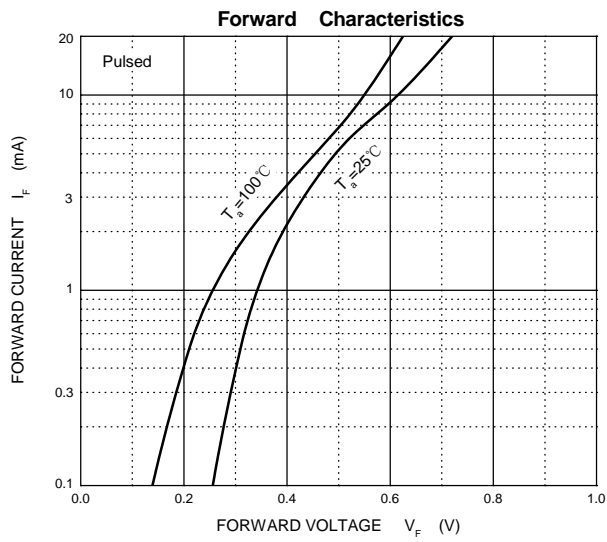
Parameter	Symbol	Value	Units
Non-repetitive peak reverse voltage	V_{RM}	70	V
Forward continuous current	I_{FM}	0.07	A
Non-repetitive Peak Forward surge current @ $t=8.3\text{ms}$	I_{FSM}	0.1	A
Power dissipation	P_D	200	mW
Thermal resistance junction to ambient	$R_{\theta JA}$	500	K/W
Junction Temperature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

BAS70WX

Typical Characteristics

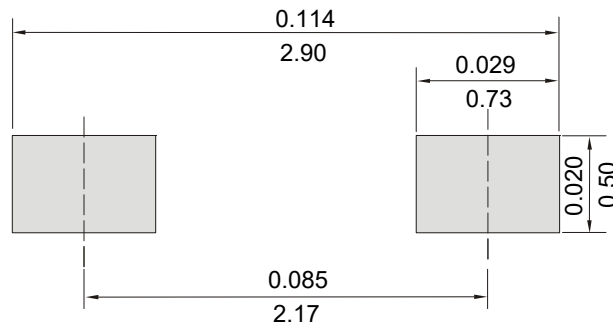


BAS70WX

MOUNTING PAD LAYOUT

SOD-323

Unit:Inch(mm)



ORDER INFORMATION

- Packing information

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