BAS70WS

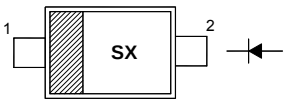
SMALL SIGNAL SCHOTTKY DIODE

Features

• Low forward voltage drop

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



Top View
Marking Code: "**SX**"
Simplified outline SOD-323 and symbol

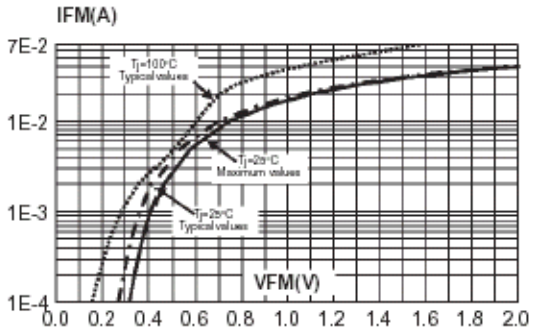
Absolute Maximum Ratings (T_a = 25 °C)

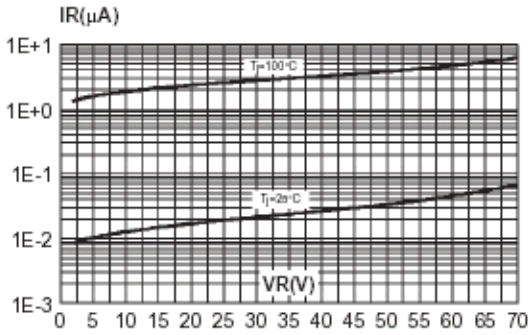
Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	70	V
Continuous Forward Current	I_F	70	mA
Surge Non-Repetitive Forward Current (tp = 10 ms)	I_{FSM}	1	A
Total Power Dissipation	P_{tot}	230	mW
Thermal Resistance Junction to Ambient [1)]	R_{thJA}	550	°C/W
Junction Temperature	T_J	150	°C
Storage Temperature Range	T_{stg}	- 65 to + 150	°C

[1)] Mounted on epoxy board, with recommended pad layout.

Characteristics at T_a = 25 °C

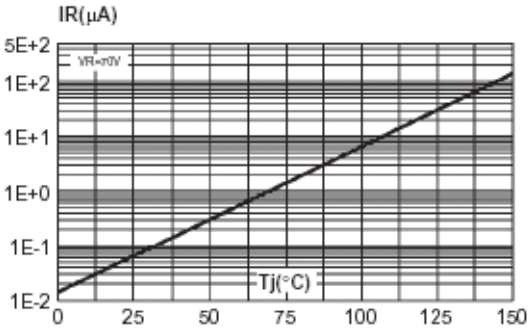
Parameter	Symbol	Min.	Max.	Unit
Reverse Breakdown Voltage at I_R = 10 µA	V_{BR}	70	-	V
Forward Voltage at I_F = 1 mA	V_F	-	410	mV
Reverse Current at V_R = 50 V	I_R	-	100	nA
Diode Capacitance at V_R = 0 V, f = 1 MHz	C_{tot}	-	2	pF

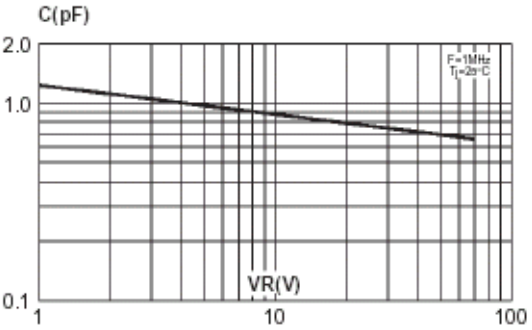


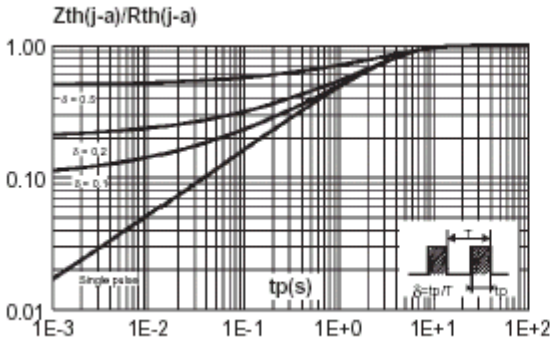


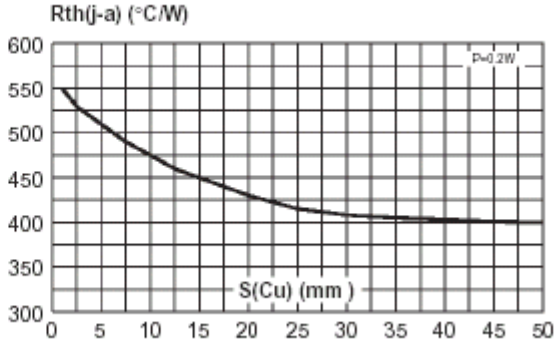
Reverse leakage current versus junction temperature (typical values).

Junction capacitance versus reverse voltage applied (typical values).



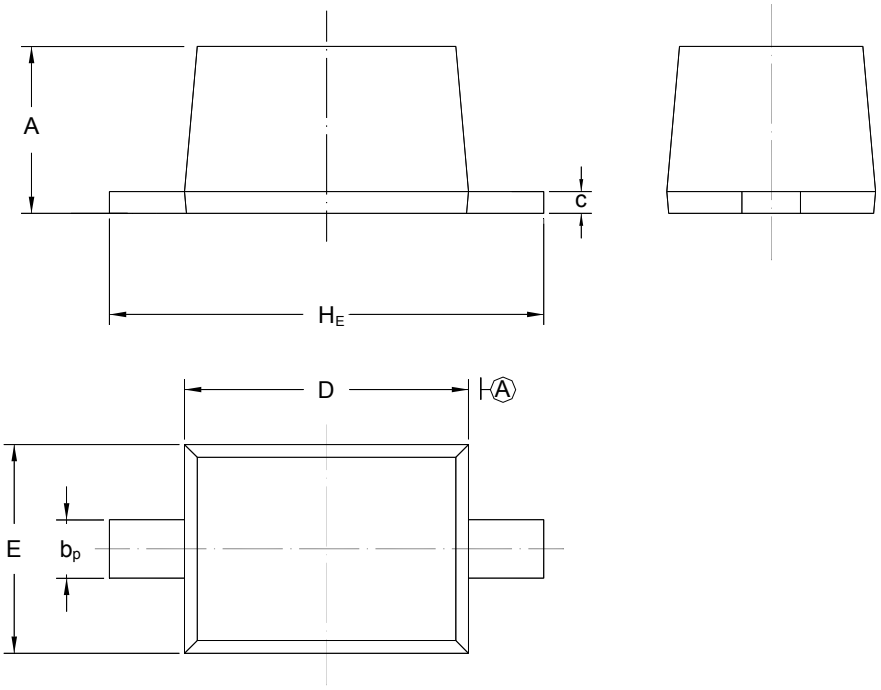






PACKAGE OUTLINE

Plastic surface mounted package; 2 leads **SOD-323**



UNIT	A	b_p	C	D	E	H_E
mm	1.10 0.80	0.40 0.25	0.15 0.10	1.80 1.60	1.35 1.15	2.80 2.30