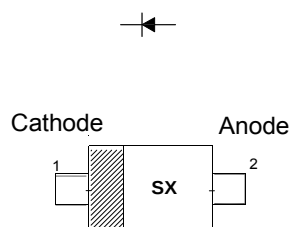


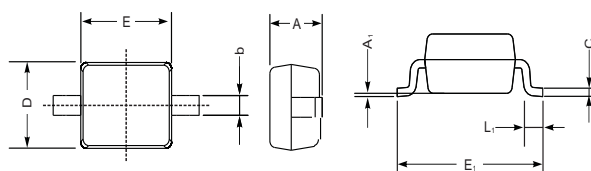
Features

- Low forward voltage drop



SOD-323

SOD323



UNIT		A	C	D	E	E ₁	b	L ₁	A ₁
mm	max	1.1	0.15	1.4	1.8	2.75	0.4	0.45	0.2
	min	0.8	0.08	1.2	1.4	2.55	0.25	0.2	—
mil	max	43	5.9	55	70	108	16	16	8
	min	32	3.1	47	63	100	9.8	7.9	—

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

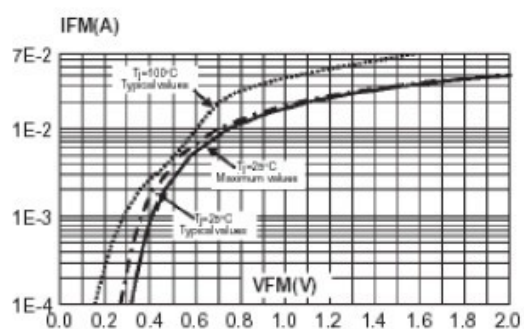
¹⁾ Mounted on epoxy board, with recommended pad layout.

BAS70WS

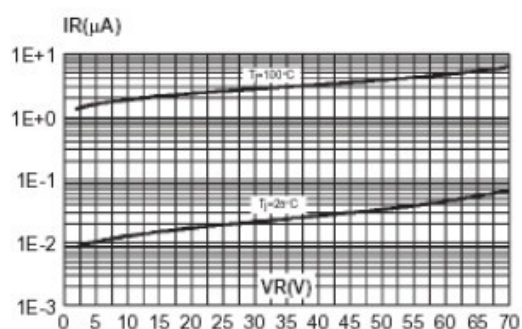
Characteristics at $T_a = 25\text{ }^{\circ}\text{C}$

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

RATING AND CHARACTERISTIC CURVES (BAS70WS)



Reverse leakage current versus junction temperature (typical values).



Junction capacitance versus reverse voltage applied (typical values).

