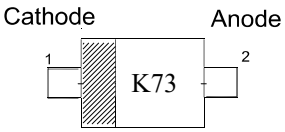
Features

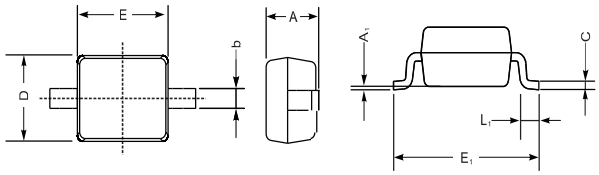
- Low forward voltage drop





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)

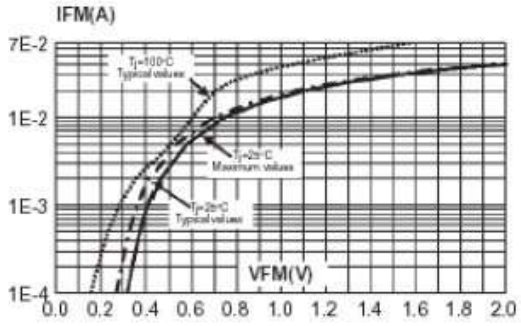
Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	70	V
Continuous Forward Current	I_F	70	mA
Surge Non-Repetitive Forward Current (tp = 10 ms)	I_{FSM}	1	A
Total Power Dissipation	P_{tot}	230	mW
Thermal Resistance Junction to Ambient [1)]	R_{thJA}	550	°C/W
Junction Temperature	T_J	150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

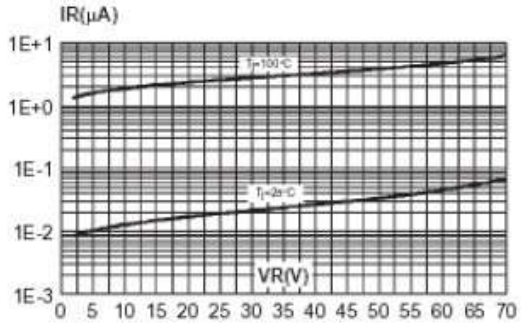
[1)] Mounted on epoxy board, with recommended pad layout.

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

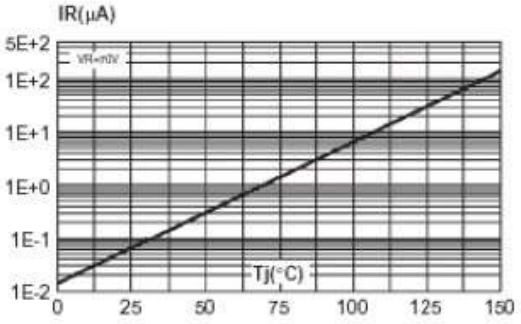
RATING AND CHARACTERISTIC CURVES (BAS70WS)

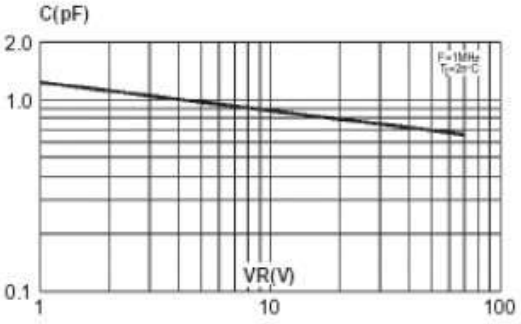


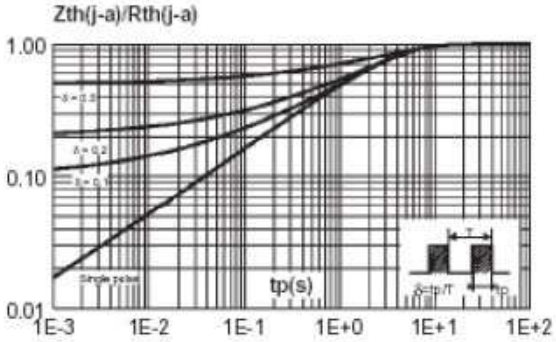


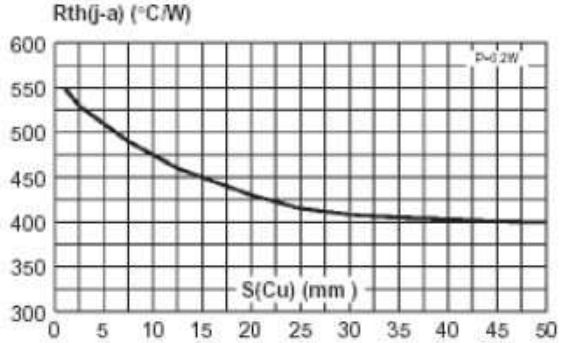
Reverse leakage current versus junction temperature (typical values).

Junction capacitance versus reverse voltage applied (typical values).









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