

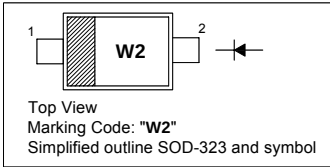
BAV70WS

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SWITCHING DIODE

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode

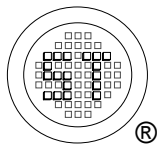


Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Peak Repetitive Reverse Voltage	V _{RRM}	70	V
Average Rectified Forward Current	I _{F(AV)}	200	mA
Non-repetitive Peak Forward Surge Current	I _{FSM}	1 2	A
Power Dissipation	P _d	250	mW
Operating Junction Temperature Range	T _j	150	°C
Storage Temperature Range	T _{stg}	- 55 to + 150	°C

Characteristics at T_a = 25 °C

Parameter	Symbol	Min.	Max.	Unit
Reverse Voltage at I _R = 100 μA	V _R	70	-	V
Forward Voltage at I _F = 1 mA at I _F = 10 mA at I _F = 50 mA	V _F	- - -	715 855 1	mV mV V
Reverse Voltage at V _R = 70 V at V _R = 25 V, T _a = 150 °C at V _R = 70 V, T _a = 150 °C	I _R	- - -	5 60 100	μA
Reverse Recovery Time at I _F = I _R = 10 mA to I _R = 1 mA, R _L = 100 Ω	t _{rr}	-	6	ns
Total Capacitance at f = 1 MHz	C _T	-	1.5	pF



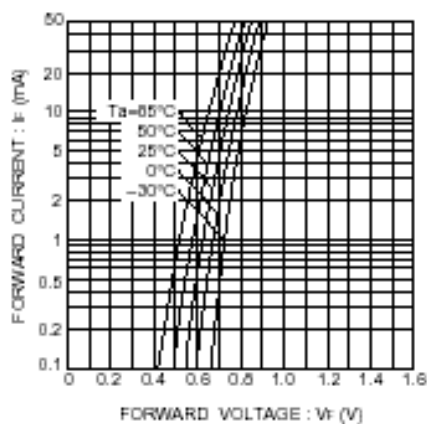
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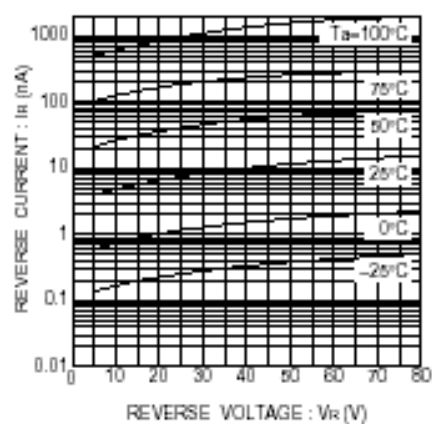
Dated : 07/04/2009

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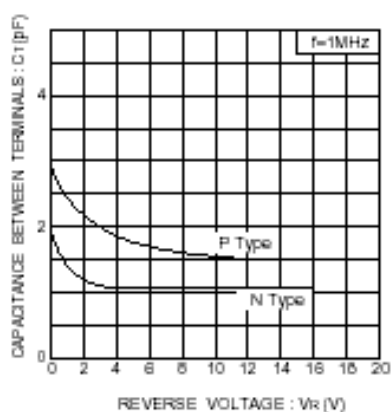
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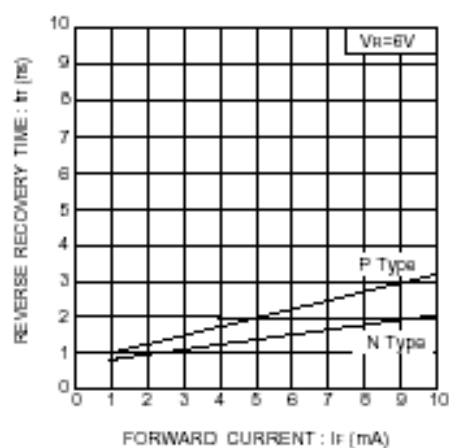
Forward characteristics



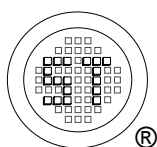
Reverse characteristics



Capacitance between terminals characteristics

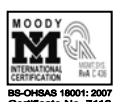
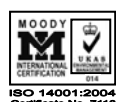
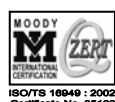


Reverse recovery time



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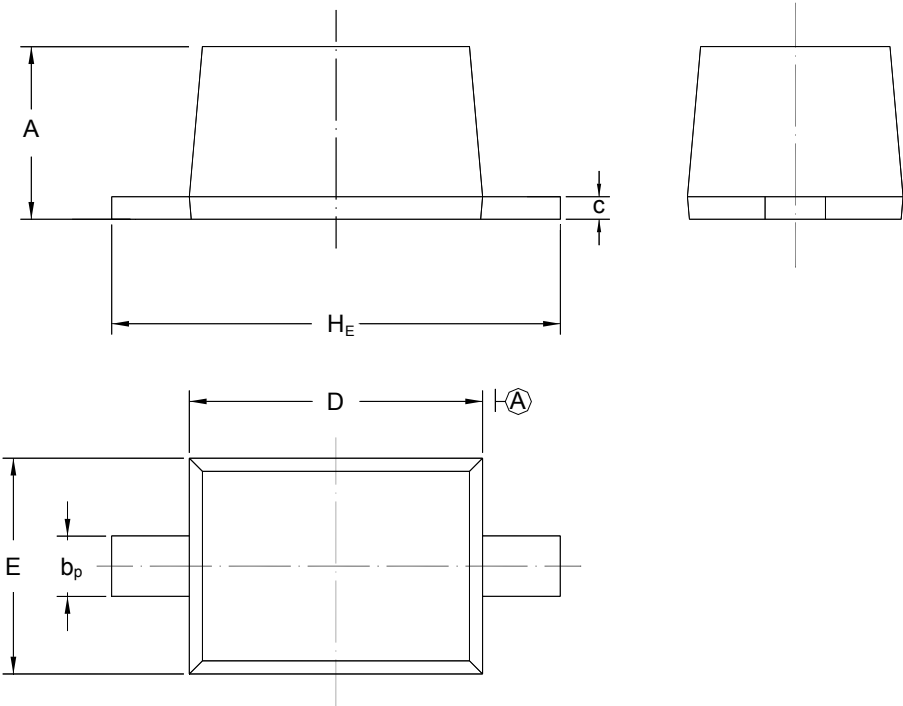


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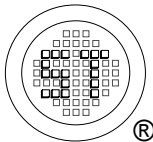
PACKAGE OUTLINE

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 0.00	1.80 1.60	1.35 1.15	2.80 2.30



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