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PARAMETER	SYMBOL	LIMIT	UNITS
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	70	V
Maximum Rms Voltage	V _{RMS}	49	V
Maximum Dc Blocking Voltage	V _{DC}	70	V
Maximum Average Forward Current	I _{F(AV)}	0.2	А
Peak Forward Surge Current: 1 s Single Half Sine- Wave Superimposed On Rated Load	I _{FSM}	0.6	А
Typical Junction Capacitance Measured at 1 MHZ And Applied $V_R = 0 V$	CJ	2	pF
Typical Thermal Resistance	$R_{\theta JA}^{(1)}$	650	°C/W
Operating Junction Temperature Range	TJ	-55~150	°C
Storage Temperature Range	T _{STG}	-55~150	°C

SURFACE MOUNT SCHOTTKY DIODES SOD-323 Current Voltage 70 V 0.2 A Features • Low forward voltage drop • Deal for automated placement • Low power loss, high efficiency • High surge current capability • Lead free in compliance with EU RoHS 2.0 • Green molding compound as per IEC 61249 standard • AEC-Q101 qualified **Mechanical Data** • Case: SOD-323 Package • Terminals: Solderable per MIL-STD-750, Method 2026 Cathode Anode • Polarity: Color band denotes cathode end

Maximum Ratings and Thermal Characteristics ($T_A = 25^{\circ}C$ unless otherwise noted)

• Approx. Weight: 0.00014 ounces, 0.0041 grams



BAS70WS-AU



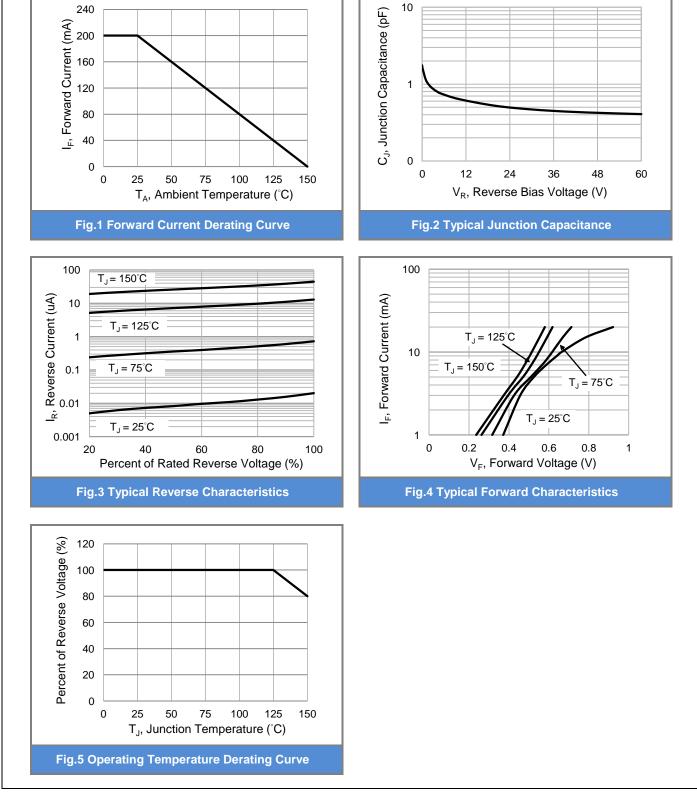


Electrical Characteristics ($(T_A = 25^{\circ}C \text{ unless otherwise noted})$
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PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNITS
Forward Voltage	V _F	$I_{\rm F} = 1 \text{ mA}, T_{\rm J} = 25 ^{\circ}\text{C}$	-	-	0.41	
		$I_F = 10 \text{ mA}, T_J = 25 \degree C$	-	-	0.75	
		$I_F = 15 \text{ mA}, \text{ T}_J = 25 ^{\circ}\text{C}$	-	-	0.9	V
		I _F = 1 mA, T _J = 125°C	-	0.25	-	V
		I _F = 10 mA,T _J = 125°C	-	0.55	-	
		I _F = 15 mA, T _J = 125 °C	-	0.59	-	
Reverse Current	$I_R^{(2)}$	$V_R = 50 \text{ V}, \text{ T}_J = 25 ^{\circ}\text{C}$	-	-	0.1	
		$V_R = 70 \text{ V}, \text{ T}_J = 25 ^{\circ}\text{C}$	-	-	1	uA
		$V_{R} = 70 \text{ V}, \text{ T}_{J} = 125 ^{\circ}\text{C}$	-	45	-	

NOTES:

- 1. Mounted on a FR4 PCB, single-sided copper, mini pad.
- 2. Short duration pulse test used to minimize self-heating effect



TYPICAL CHARACTERISTIC CURVES

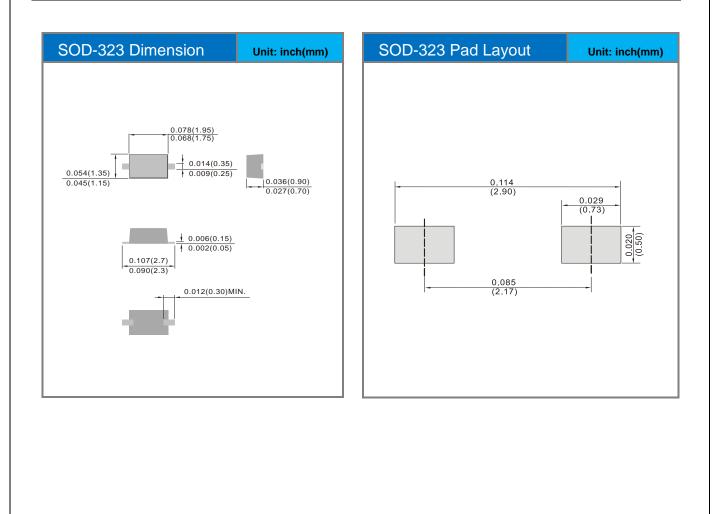
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Part No Packing Code Version

Part No Packing Code	Package Type	Packing Type	Marking	Version
BAS70WS-AU_R1_000A1	SOD-323	5K / 7" Reel	A70	Halogen free

Packaging Information & Mounting Pad Layout





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