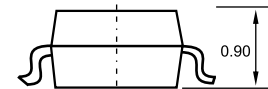
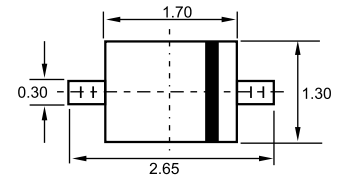


SOD-323



Features

- Fast switching.
- Designed for surface mount application.
- Plastic material-UL recognition flammability classification 94V-O

Applications

- Surface mount fast switching diode

Dimensions in inches and (millimeters)

Ordering Information

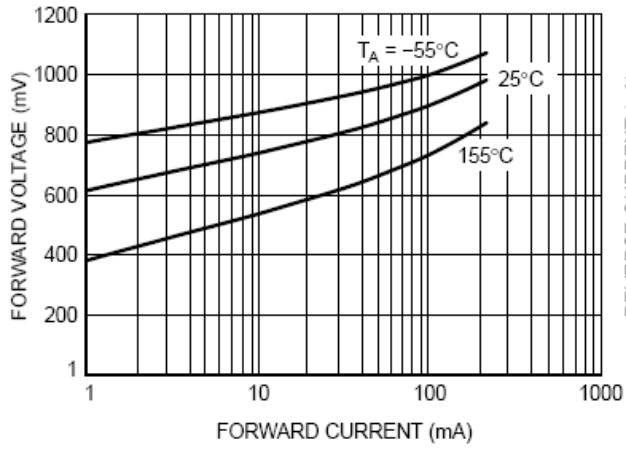
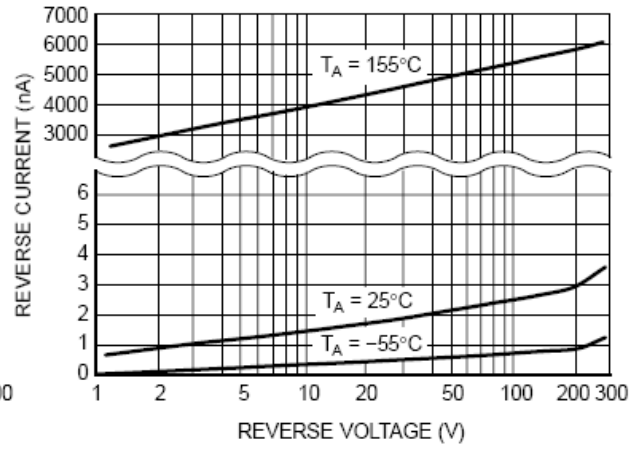
Type No.	Marking	Package Code
BAS21H	JS	SOD-323

MAXIMUM RATING @ Ta=25°C unless otherwise specified

Characteristic	Symbol	Value	Unit
Continuous Reverse Voltage	V_R	250	V
Repetitive Peak Reverse Voltage	V_{RRM}	250	V
Forward Continuous Current	I_F	200	mA
Peak forward surge current	I_{FSM}	625	mA
Power Dissipation	P_d	200	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	635	°C/W
Junction and Storage Temperature Range	T_j, T_{STG}	-55 to +150	°C

ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

Characteristic	Symbol	Min	Max	Unit	Test Condition
Reverse Breakdown Voltage	$V_{(BR)R}$	250	-	V	$I_R=100\mu A$
Forward Voltage	V_F	-	1000 1250	mV	$I_F=100mA$ $I_F=200mA$
Reverse Current	I_R	-	0.1 100	μA	$V_R=200V$ $V_R=200V, T_J=150^\circ C$
Diode Capacitance	C_D	-	5	pF	$V_R=0, f=1.0MHz$
Reverse Recovery Time	t_{rr}	-	50	ns	$I_F=I_R=30mA, R_L=100\Omega$

TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

Figure 2. Forward Voltage

Figure 3. Reverse Leakage

PACKAGE	SPQ/PCS	CARTON SPQ/PCS	CARTON SIZE/CM	CARTON GW/KG	CARTON NW/KG
SOD-323	3000/REEL	180000	44X44X22	9.00	8.00

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