

## BAS21

### Switching Diode

#### Features

- RoHS compliant package

#### Mechanical Data

- Case: SOT-23 Molded plastic
- Epoxy: UL94V-O rate flame retardant

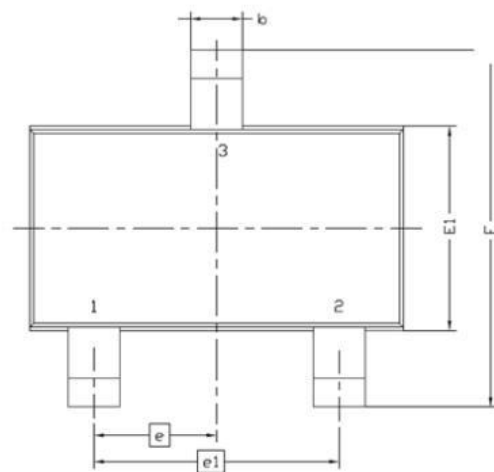
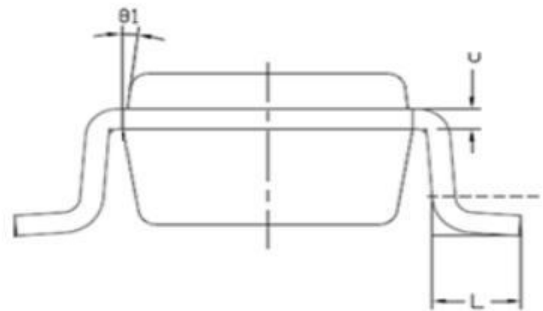
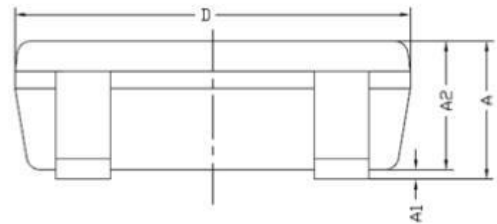
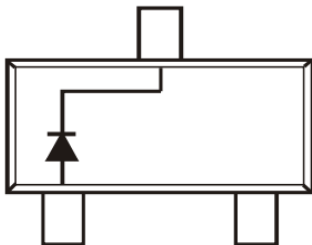
#### Packing & Order Information

3,000/Reel



**RoHS**  
COMPLIANT

#### Graphic symbol



Symbol	MILLIMETERS	
	MIN	MAX
A	0.8	1.2
A1	0	0.1
A2	0.7	1.1
b	0.3	0.5
c	0.1	0.2
D	2.7	3.1
E	2.6	3
E1	1.4	1.8
e	0.95 BSC	
e1	1.9 BSC	
L	0.3	0.6
θ1	7° NOM	

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#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

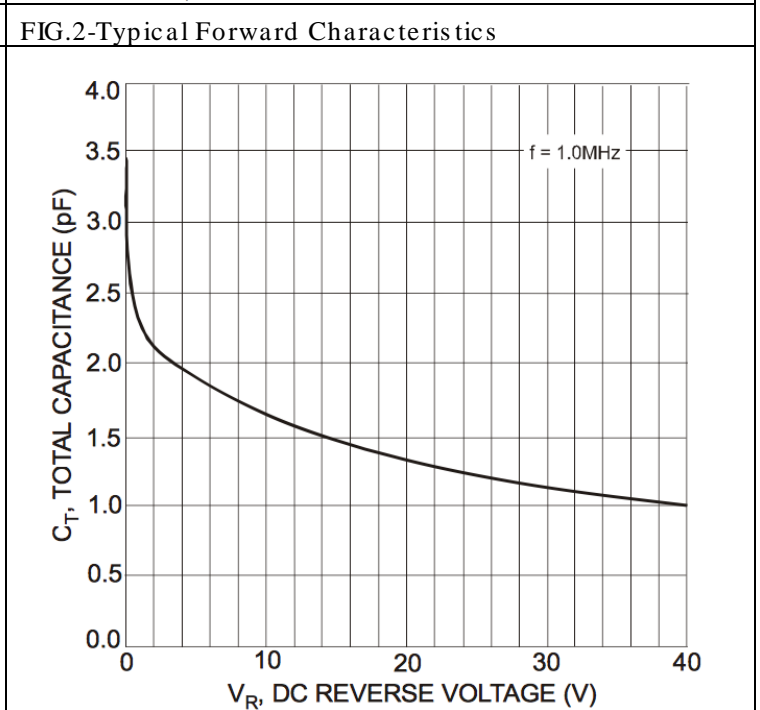
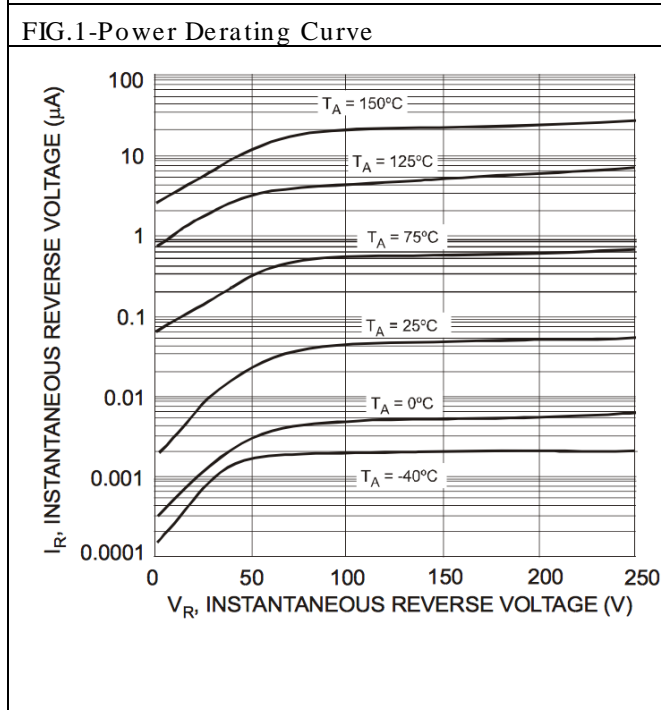
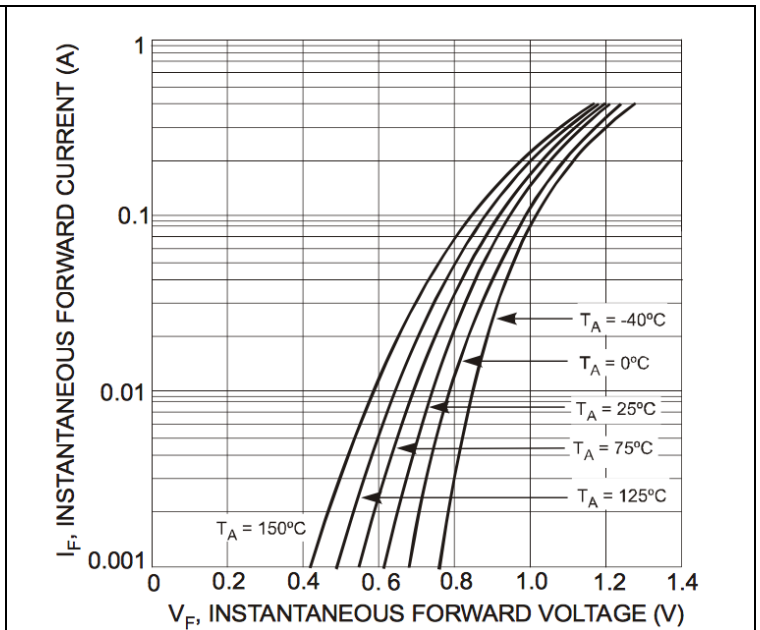
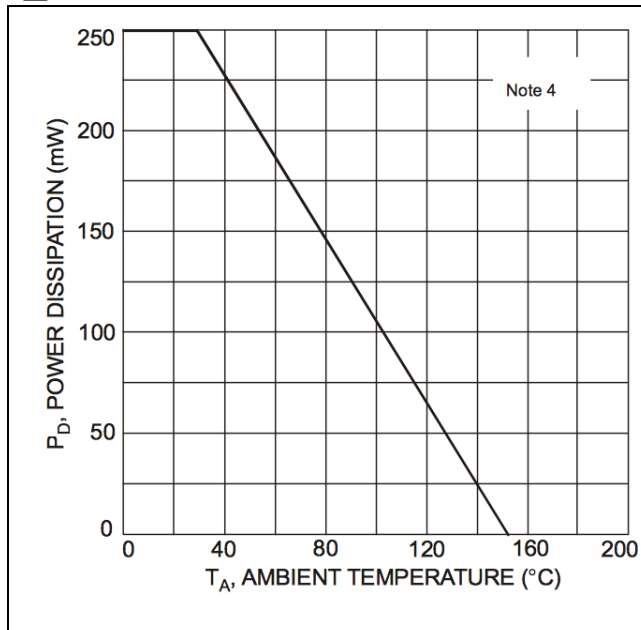
Maximum Ratings ( $T_A=25^{\circ}\text{C}$  unless otherwise specified)

Symbol	Parameter	MIN	MAX	Unit
PD( $T_A=25^{\circ}\text{C}$ )	Power dissipation		225	mW
IF	Forward Current		200	ma
VR	Reverse Voltage VR		250	V
TJ/TSTG	Junction and Storage Temperature		-55 to +150	$^{\circ}\text{C}$
V(BR)	Reverse Breakdown Voltage( $I_R=100\mu\text{A}$ )	250	--	V
IR	Reverse Leakage Current( $V_R=200\text{V}$ )		1	$\mu\text{A}$
VF	Forward Voltage(Test Condition)			
	IF=100mA		1.0	V
	IF=200mA		1.25	
CD	Diode Capacitance ( $V_R=0\text{V}$ , $f=1\text{MHz}$ )		8	pF
Trr	Reverse Recovery Time		50	nS

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#### ■ Characteristics Curve



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