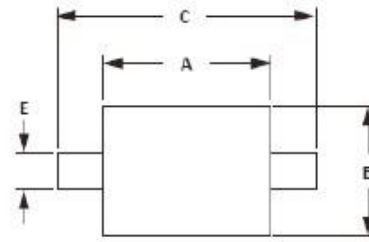


BAS321

General Purpose Diode

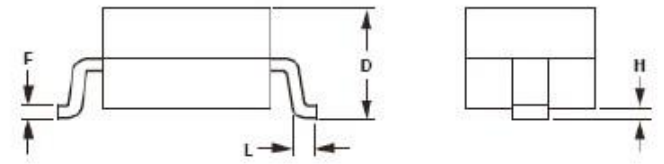
Features

- Very small plastic SMD package.
- High switching speed: max. 50ns
- Continuous reverse voltage: max. 200v
- Repetitive peak reverse voltage: max. 250v
- Repetitive peak forward current: max. 650mA
- RoHS compliant package



Mechanical Data

- Case: SOD-323 Molded plastic
- Epoxy: UL94V-O rate flame retardant



Packing & Order Information

3,000/Reel



**RoHS
COMPLIANT**

Graphic symbol



OUTLINE DIMENSIONS				
DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	1.60	1.90	0.063	0.075
B	1.15	1.45	0.045	0.057
C	2.39	2.70	0.094	0.106
D	0.80	1.10	0.031	0.043
E	0.25	0.40	0.010	0.016
F	0.10	0.20	0.004	0.008
H	-	0.10	-	0.004
L	0.20	-	0.008	-

NOTES
 1. Controlling dimension: millimeters.
 2. Dimensioning and tolerances per ANSI Y14.5M, 1985.
 3. Dimensions are exclusive of mold flash and metal burrs.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

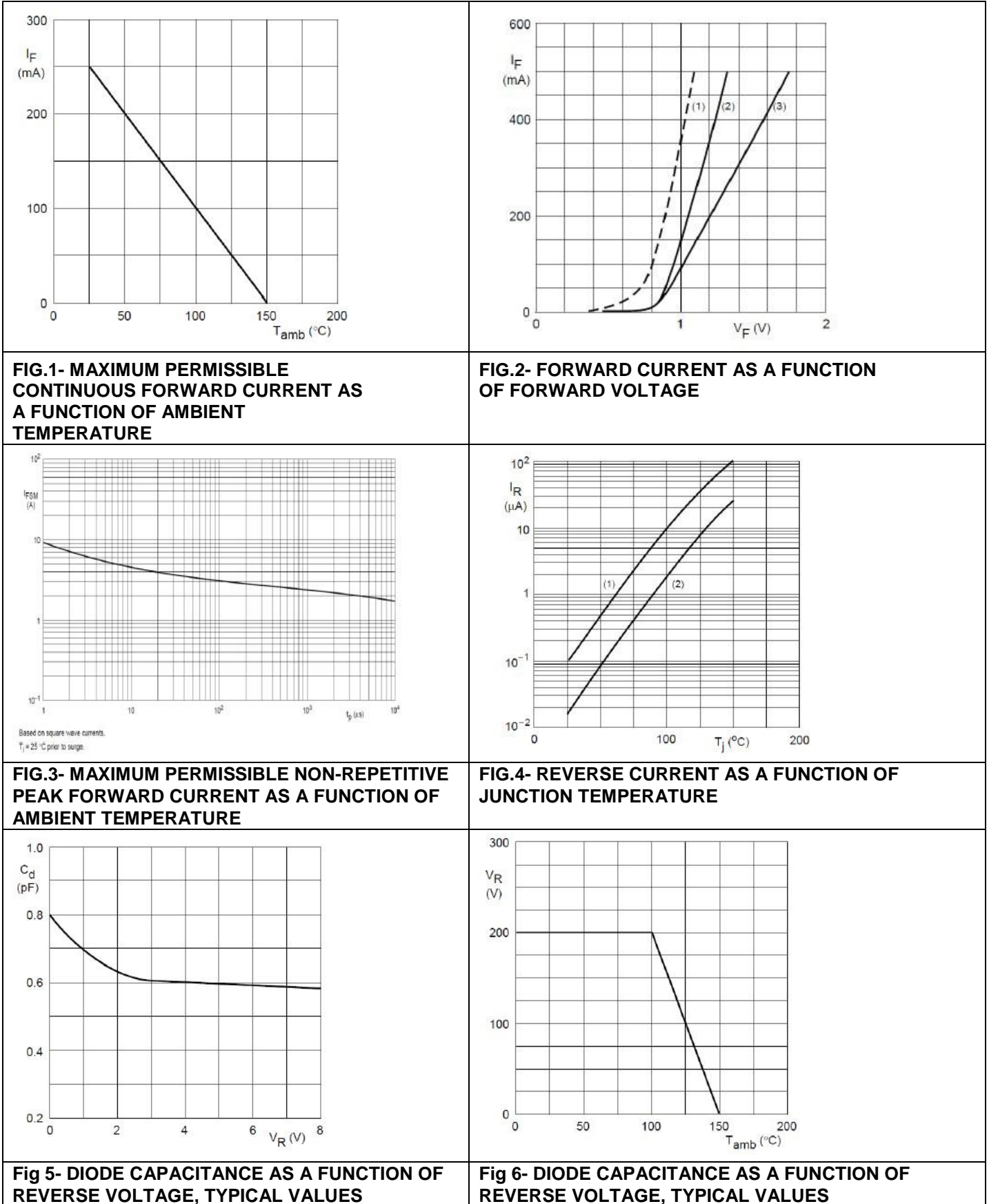
Maximum Ratings ($T_A=25^\circ\text{C}$ unless otherwise specified)

Symbol	Parameter	MIN	MAX	Unit
PD($T_A=25^\circ\text{C}$)	Power dissipation		300	mW
IF	Forward Current		250	ma
VR	Reverse Voltage VR		200	V
T_J/T_{STG}	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	μA
VF	Forward Voltage(Test Condition)			
	IF=100mA		1.0	V
	IF=200mA		1.25	
CD	Diode Capacitance ($V_R=0\text{V}$, $f=1\text{MHz}$)		2	pF
Trr	Reverse Recovery Time		50	nS

BAS321

General Purpose Diode

Typical Device Characteristics



BAS321

General Purpose Diode

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