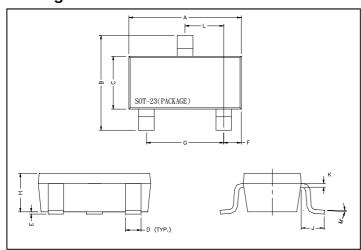
GBAV152

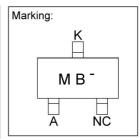
SURFACE MOUNT, SWITCHING DIODE **VOLTAGE 80V, CURRENT 0.1A**

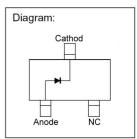
Description

The GBAV152 is designed for ultra high speed switching application.

Package Dimensions







REF.	Millimeter		REF.	Millimeter	
	Min.	Max.	nLI.	Min.	Max.
Α	2.70	3.10	G	1.90 REF.	
В	2.40	2.80	Н	1.00	1.30
O	1.40	1.60	K	0.10	0.20
D	0.35	0.50	J	0.40	-
Е	0	0.10	L	0.85	1.15
F	0.45	0.55	М	0°	10°

Absolute Maximum Ratings (At TA = 25°C unless otherwise specified)

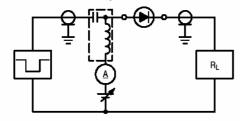
Parameter	Symbol Ratings		Unit	
Max. Peak Reverse Voltage	V_{RM}	80	V	
Max. Reverse Voltage	V_R	80	V	
Max. Average Forward Rectified Current	Io	100	mA	
Non-Repetitive Peak Forward surge Current @Tp =1.0us	I_{FSM}	225	mA	
@Tp =1.0s		500		
Power Dissipation	PD	225	mW	
Junction Temperature	TJ	150	$^{\circ}\mathbb{C}$	
Storage Temperature	T _{STG}	-55 ~ +150	$^{\circ}\mathbb{C}$	

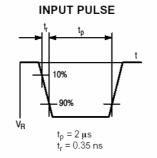
Electrical Characteristics (At TA = 25°C unless otherwise noted)

Characteristics	Symbol	Min.	Max.	Unit	Test Conditions
Reverse Breakdown Voltage	V(BR)R	80	-	V	IR=100μA
Forward Voltage	VF	-	1.2	V	IF=100mA
Reverse Voltage Leakage Current	IR	-	100	nA	V _R =75V
Diode Capacitance	С	-	2.0	pF	V _R =0V, f=1.0MHz
Reverse Recovery Time (Figure 1)	trr	-	3.0	ns	IF=10mA, V_R =6V, R_L =100 Ω , I_{rr} =0.1IR

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RECOVERY TIME EQUIVALENT TEST CIRCUIT





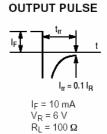
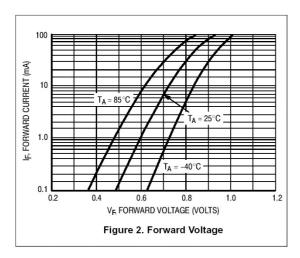
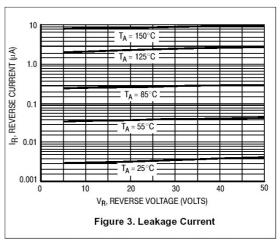
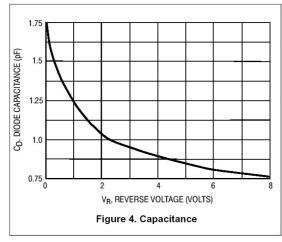


Figure 1. Reverse Recovery Time Equivalent Test Circuit







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