Micro Commercial Components
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BAS16WX

High Speed Switching Diode 350mW

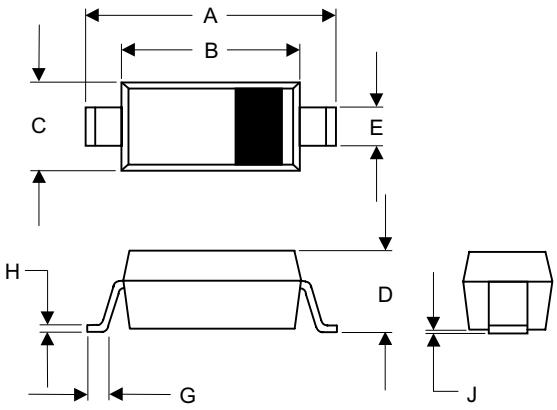
Features

- High Conductance
- Fast Switching Speed
- Surface Mount Package Ideally Suited for Automatic Insertion
- For General Purpose Switching Applications
- Lead Free Finish/RoHS Compliant("P" Suffix designates RoHS Compliant. See ordering information)
- Halogen free available upon request by adding suffix "-HF"

Mechanical Data

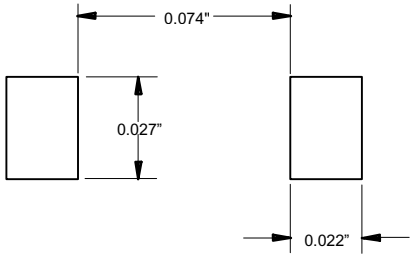
- Marking: A6/T4
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Polarity: Indicated by Cathode Band

SOD323



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.090	.107	2.30	2.70	
B	.063	.071	1.60	1.80	
C	.045	.053	1.15	1.35	
D	.031	.045	0.80	1.15	
E	.010	.016	0.25	0.40	
G	.004	.018	0.10	0.45	
H	.004	.010	0.10	0.25	
J	-----	.006	-----	0.15	

SUGGESTED SOLDER PAD LAYOUT



Maximum Ratings @ 25°C Unless Otherwise Specified

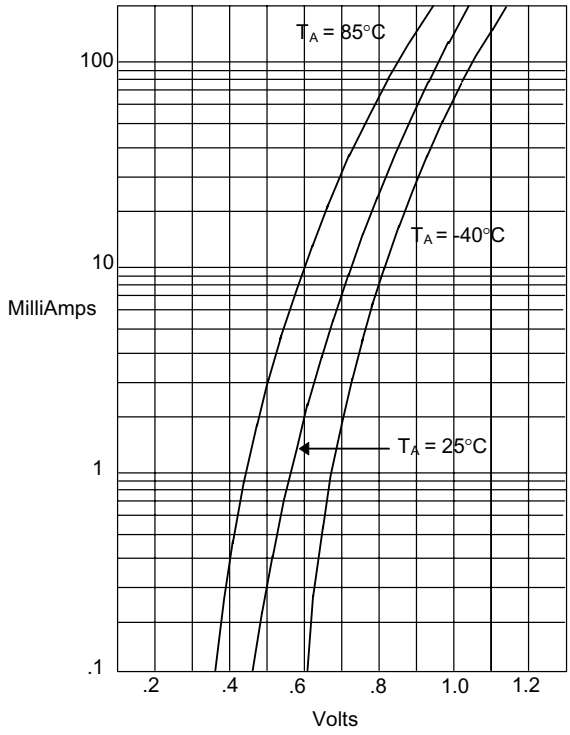
Non-Repetitive Peak Reverse Volt.	V_{RM}	85	V
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V_{RRM} V_{RWM} V_R	75	V
RMS Reverse Voltage	$V_{R(RMS)}$	53	V
Forward Continuous Current(Note1)	I_{FM}	200	mA
Average Rectified Output Current	Io	100	mA
Non-Repetitive Peak @ t<=1.0s Forward Surge Current @ t=10us	I_{FSM}	2 1	A
Power Dissipation(Note 1)	Pd	350	mW
Thermal Resistance(Note 1)	R	315	K/W
Operation/Storage Temp. Range	Tj, T_{STG}	-55 to +150	°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

Maximum Forward Voltage Drop	V_{FM}	0.715 0.855 1 1.25	V	I_F=1.0mA I_F=10mA I_F=50mA I_F=150mA
Maximum Peak Reverse Current	I_{RM}	1.0 50	uA uA	V_R=75V Tj=25°C V_R=75V Tj=150°C
Junction Capacitance	Cj	2	pF	V_R=0V, f=1.0MHz
Reverse Recovery Time	t_{rr}	6	ns	I_F=I_R=10mA, I_{rr}=0.1I_R, R_L=100 OHM

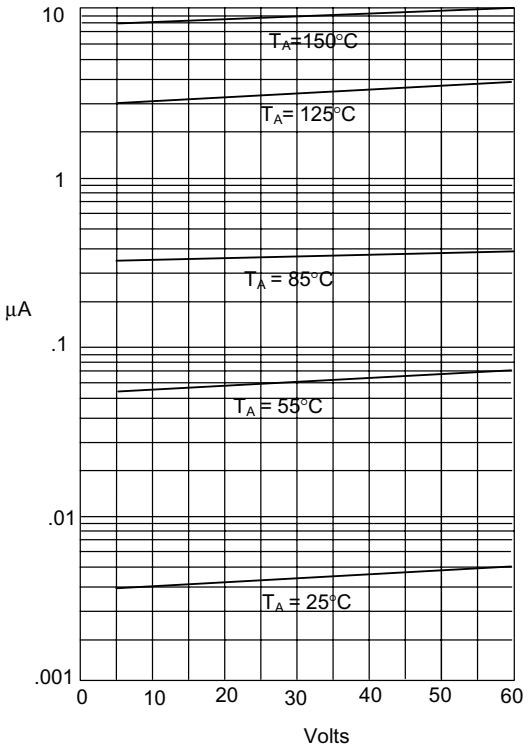
Notes: 1. Valid provided that terminals are kept at ambient temperature

Figure 1
Typical Forward Characteristics



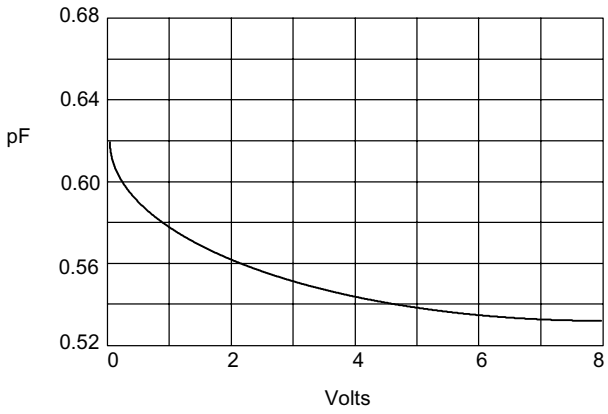
Instantaneous Forward Current - Amperes*versus*
Instantaneous Forward Voltage - Volts

Figure 2
Typical Reverse Characteristics



Instantaneous Reverse Current - MicroAmperes*versus*
Reverse Voltage - Volts

Figure 3
Diode Capacitance



Diode Capacitance - pF*versus*
Reverse Voltage - Volts

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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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