



SOD-323 Plastic-Encapsulate Diodes

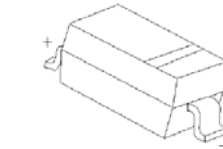
BAS16WX HIGH-SPEED SWITCHING DIODE

FEATURES

- Fast Switching Speed
- For General Purpose Switching Applications
- High Conductance

MARKING: T4

SOD-323



MAXIMUM RATINGS (Ta=25°C unless otherwise noted)

Symbol	Parameter	Value	Unit
V_{RM}	Non-Repetitive Peak Reverse Voltage	85	V
V_{RRM} V_{RWM}	Peak Repetitive Reverse Voltage Working Peak Reverse Voltage	75	V
$V_{R(RMS)}$	RMS Reverse Voltage	53	V
I_O	Forward Current	100	mA
P_D	Power Dissipation	200	mW
$R_{\theta JA}$	Thermal Resistance from Junction to Ambient	625	°C/W
T_J	Junction Temperature	150	°C
T_{stg}	Storage Temperature	-55~+150	°C

ELECTRICAL CHARACTERISTICS(T_a=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage	$V_{(BR)}$	$I_R=10\mu A$	75			V
Forward voltage	V_F	$I_F=1mA$			0.715	V
		$I_F=10mA$			0.855	
		$I_F=50mA$			1	
		$I_F=150mA$			1.25	
Reverse current	I_R	$V_R=75V$			1	μA
Total capacitance	C_{tot}	$V_R=0V, f=1MHz$			2	pF
Reverse recovery time	t_{rr}	$I_F=I_R=10mA, I_{rr}=0.1 \times I_R, R_L=100\Omega$			6	ns