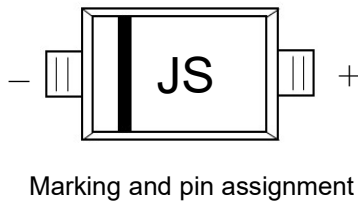
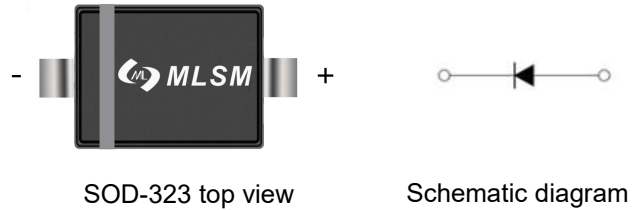


Features

- Fast Switching Speed
- Surface Mount Package Ideally Suited for Automatic Insertion
- For General Purpose Switching Applications
- High Conductance


Maximum Ratings @Ta=25°C

Symbol	Parameter	Value	Unit
V_R	Reverse Voltage	250	V
V_{RRM}	Peak Repetitive Reverse Voltage		
I_O	Forward Current	200	mA
I_{FSM}	Non-repetitive Peak Forward Surge Current@t= 8.3ms	625	mA
P_D	Power Dissipation	200	mW
$R_{\theta JA}$	Thermal Resistance from Junction to Ambient	625	°C/W
T_J, T_{stg}	Operation Junction and Storage Temperature Range	-55~+150	°C

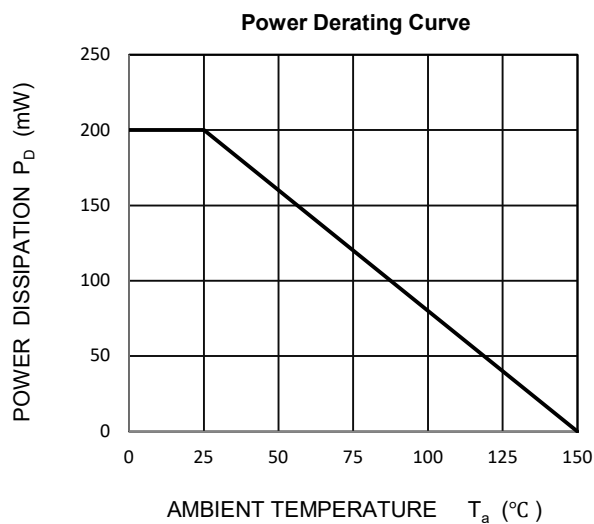
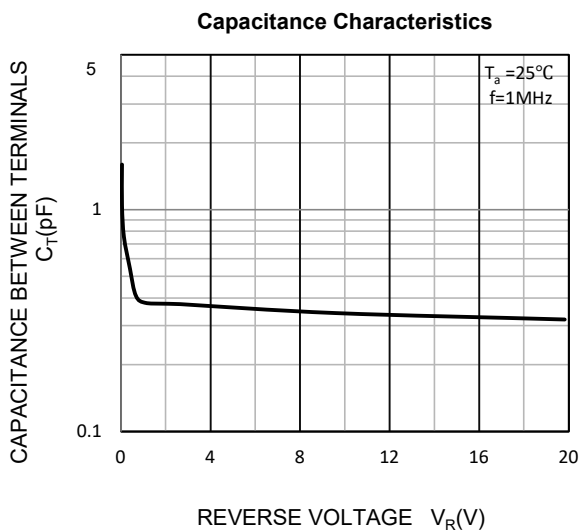
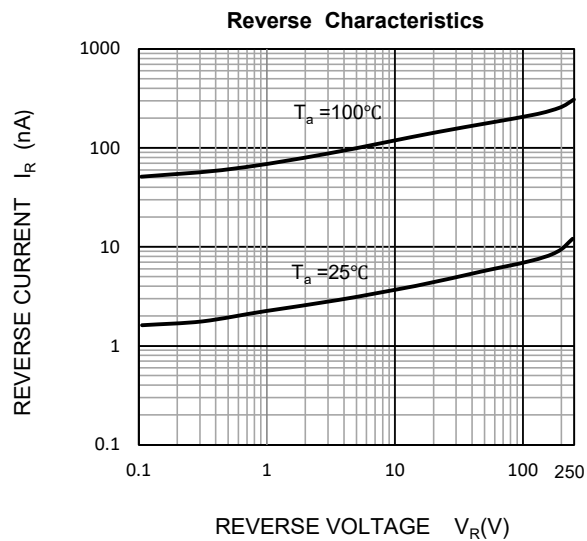
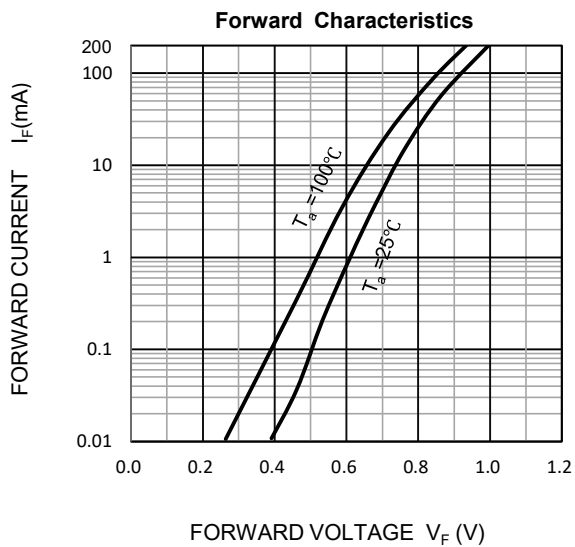
ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specified)

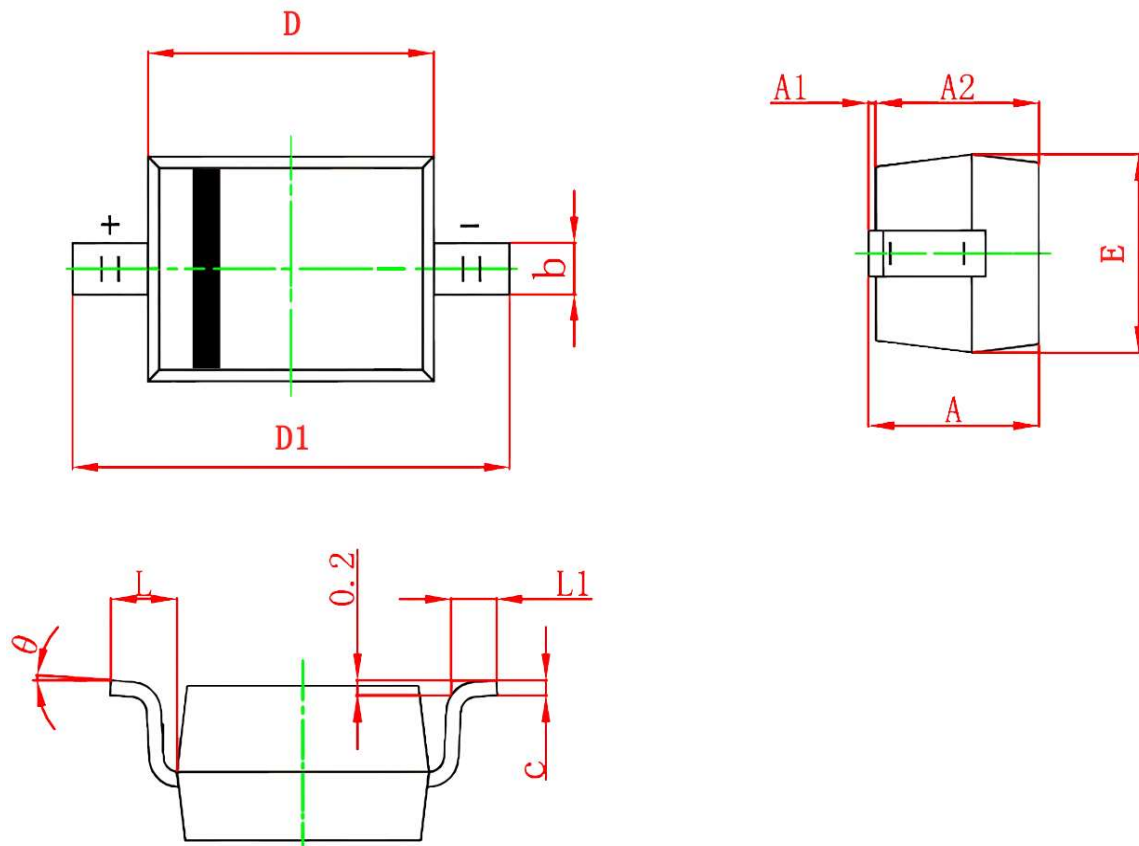
Symbol	Parameter	Condition	Min	Typ	Max	Unit
$V_{(BR)}$	Reverse voltage	$I_R=100\mu A$	250	--	--	V
I_R	Reverse current	$V_R=200V$	--	--	0.10	μA
V_F	Forward voltage	$I_F=100mA$	--	--	1.00	V
		$I_F=200mA$	--	--	1.25	
C_D	Diode capacitance	$V_R=0V, f=1MHz$	--	--	5	pF
t_{rr}	Reverse recovery time	$I_F=I_R=30mA, R_L=100\Omega$	--	--	50	ns

Ordering Information (Example)

Type	Package	Marking	Minimum Package(pcs)	Inner Box Quantity(pcs)	Outer Carton Quantity(pcs)	Delivery Mode
BAS21WS	SOD-323	JS	3,000	45,000	180,000	7" reel

Typical Characteristics



SOD-323 Package information


Symbol	Dimensions in Millimeters(mm)		Dimensions In Inches	
	Min	Max	Min	Max
A	-	1.100	-	0.043
A1	0.000	0.100	0.000	0.004
A2	0.800	1.000	0.031	0.039
b	0.250	0.350	0.010	0.014
c	0.080	0.150	0.003	0.006
D	1.600	1.800	0.063	0.071
D1	2.500	2.750	0.098	0.108
E	1.200	1.400	0.047	0.055
L	0.475 REF		0.019 REF	
L1	0.250	0.400	0.010	0.016
θ	0°	8°	0°	8°