

FEATURES

- Peak Forward Current: I_{FM}= 1A
- Power Dissipation of 250mw

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
B5817WS-SJ	SOD-323		3000





MAXIMUM RATINGS (Ta=25 unless otherwise noted)

Parameter	Symbol	Value	Unit
Reverse Voltage	V _R	20	V
Average Forward Rectified Current	I _{F(AV)}	1	А
Non-Repetitive Peak Forward Surge Current (8.3 ms Single Half Sine-Wave)	I _{FSM}	25	А
Power Dissipation	P _{tot}	250	mW
Operating Temperature Range	Tj	125	٥C
Storage Temperature Range	T _{stg}	- 55 to + 125	٥C

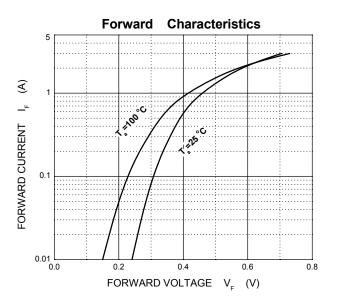
ELECTRICAL CHARACTERISTICS (Ta=25 unless otherwise specified)

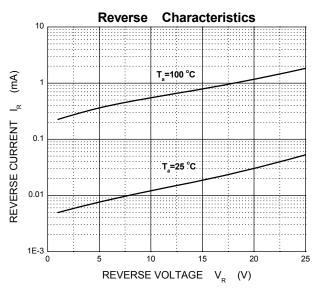
Parameter		Symbol	Min.	Max.	Unit
Reverse Breakdown Voltage at I _R = 1 mA		V _{(BR)R}	20	-	V
Reverse Current at V _R = 20 V		IR	-	1	mA
Forward Voltage	at I _F = 1 A at I _F = 3 A	V _F	-	0.45 0.75	V
Total Capacitance at V_R = 4 V, f = 1 MHz		C _{tot}	-	120	pF



B5817WS-SJ SCHOTTKY BARRIER DIODE

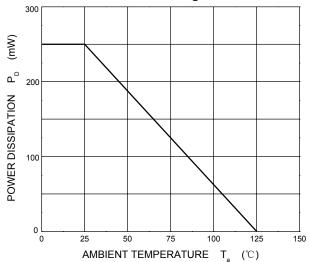
Typical Characteristics





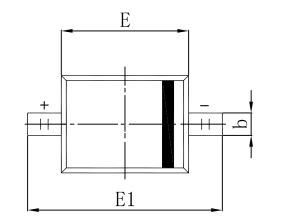
Capacitance Characteristics

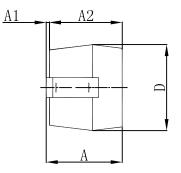
Power Derating Curve

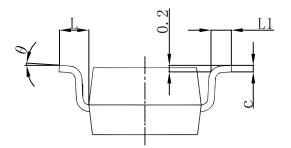




SOD-323 Package Outline Dimensions







Symbol	Dimensions In Millimeters		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	
С	0.080	0.150	0.003	0.006	
D	1.200	1.400	0.047	0.055	
E	1.600	1.800	0.063	0.071	
E1	2.500	2.750	0.098	0.108	
L	0.475 REF		0.019 REF		
L1	0.250	0.400	0.010	0.016	
θ	0°	8°	0°	8°	



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