



SSCSBAT43D2

Schottky Barrier Diode

● Features

- ✧ High breakdown voltage
- ✧ Low turn-on voltage
- ✧ Guard ring construction for transient protection

● PIN configuration



SOD-323

● Applications

- ✧ Low Voltage Rectification
- ✧ High-Efficiency DC-DC Conversion
- ✧ Switch Mode Power Supply
- ✧ Inverse Polarity Protection



Circuit Diagram



Marking

● Absolute maximum rating @T_A=25°C

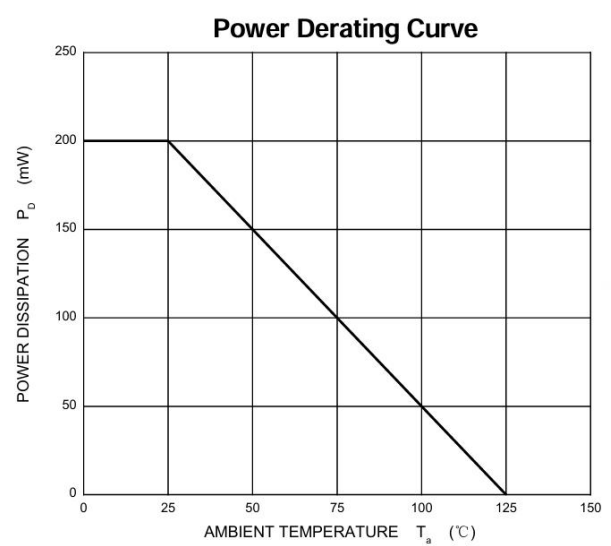
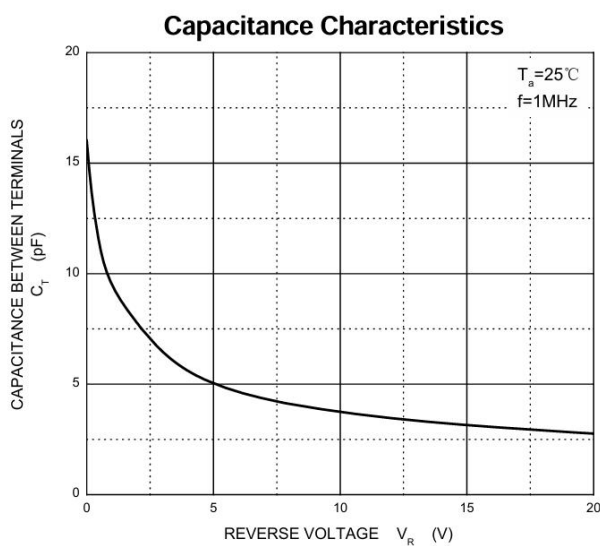
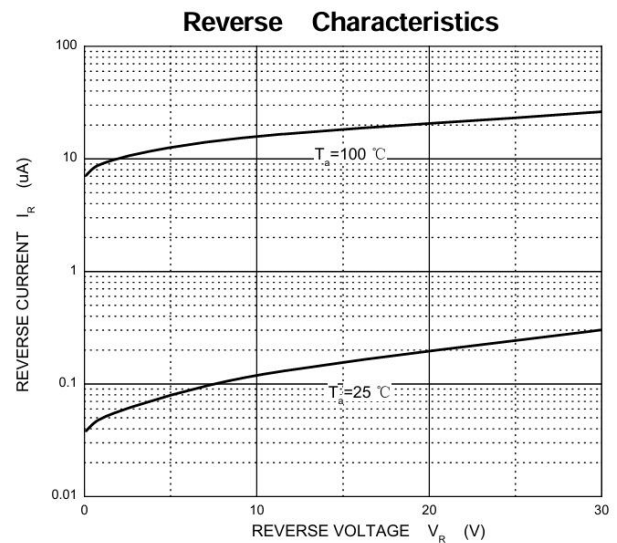
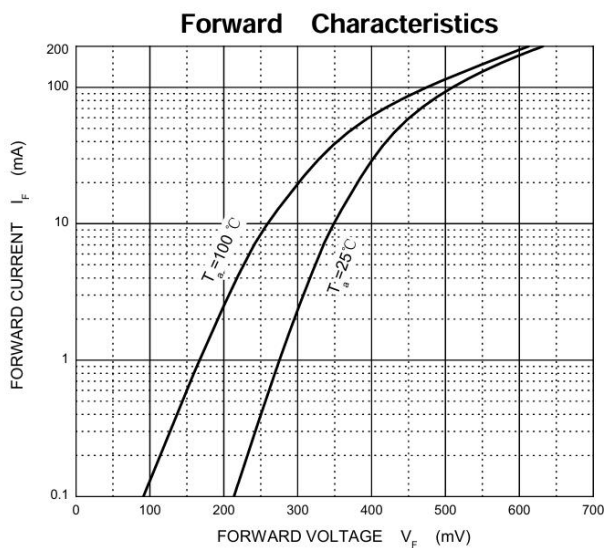
Parameter	Symbol	Value	Unit
Peak Repetitive Peak Reverse Voltage	V _{RRM}	30	V
Working Peak Reverse Voltage	V _{RWM}		
DC Blocking Voltage	V _R		
Forward Continuous Current	I _F	200	mA
Repetitive Peak Forward Current @t<1.0s	I _{FRM}	500	mA
Non-repetitive Peak Forward Surge Current @t=8.3ms	I _{FSM}	4.0	A
Power Dissipation	P _D	200	mW
Typical Thermal Resistance	R _{θJA}	500	°C/W
Operating Temperature	T _J	125	°C
Storage Temperature	T _{STG}	-55 ~ +150	°C



Electrical Characteristics @T_A=25°C

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Reverse Voltage	V _R	I _R = 10μA	30			V
Reverse Current	I _R	V _R = 25V			0.5	uA
Forward Voltage	V _F	I _F = 2.0mA	0.26		0.33	V
		I _F = 15mA			0.45	
		I _F = 200mA			1.0	
Junction Capacitance	C _J	V _R = 1V, f = 1MHz			10	pF

Typical Performance Characteristics





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● Package Information

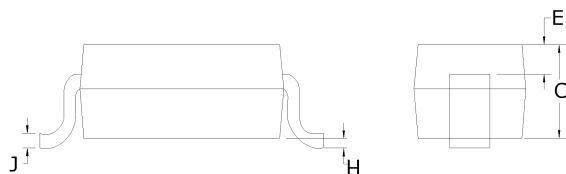
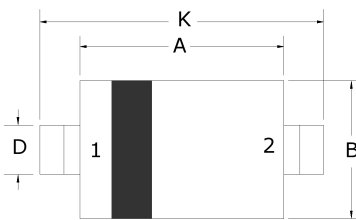
Ordering Information

Device	Package	Marking	Qty per Reel	Reel Size
SSCSBAT43D2	SOD-323	S8	3000	7 Inch

Mechanical Data

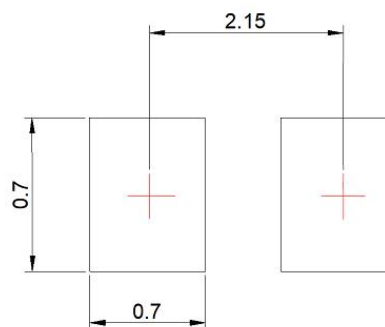
Case: SOD-323

Case Material: Molded Plastic. UL Flammability



DIM	Millimeters	
	Min	Max
A	1.60	1.80
B	1.2	1.40
C	0.80	0.90
D	0.25	0.35
E	0.15REF	
H	0	0.10
J	0.08	0.15
K	2.50	2.70

Recommended Pad outline (Unit: mm)





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