



SSCS520S30D3 Schottky Barrier Diode

● Features

- ✧ Small surface mounting type
- ✧ Low reverse current and low forward voltage
- ✧ High reliability

● PIN configuration



SOD-523



Circuit Diagram



Marking(Top View)

● Applications

- ✧ High speed switching for detection
- ✧ For portable equipment:(i.e. Mobile phone,MP3, MD,CD-ROM,DVD-ROM, Note book PC, etc.)

● Absolute maximum rating @T_A=25°C

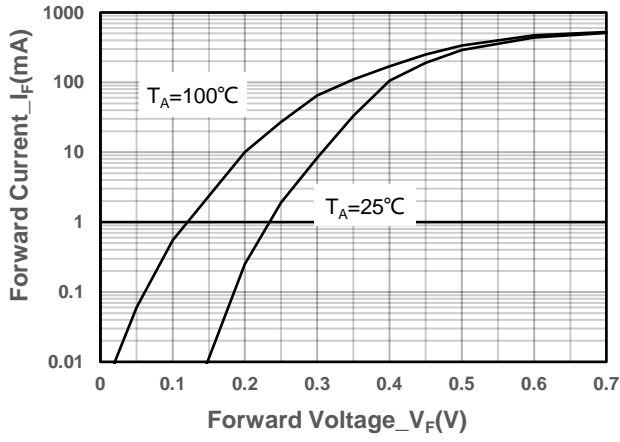
Parameter	Symbol	Value	Unit
Reverse Voltage(DC)	V _R	30	V
Average Rectified Forward Current	I _o	200	mA
Peak Forward Surge Current	I _{FSM}	1	A
Operating Temperature	T _J	125	°C
Storage Temperature	T _{STG}	-40 ~ +125	°C

● Electrical Characteristics @T_A=25°C

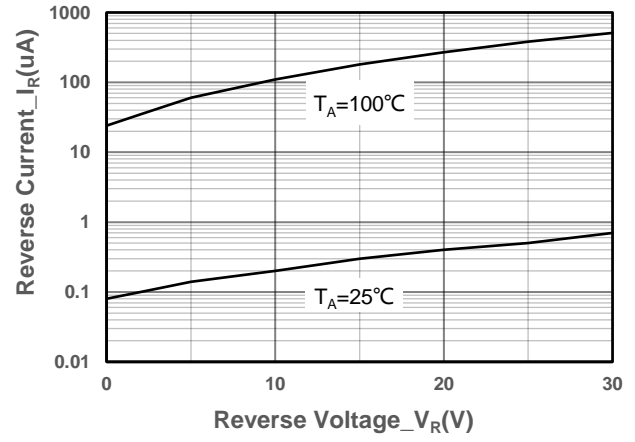
Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F = 200mA			0.6	V
Reverse Current	I _R	V _R = 10V		0.3	1	uA



- Typical Performance Characteristics



Forward Voltage vs. Forward Current



Reverse Voltage vs. Reverse Current



● Package Information

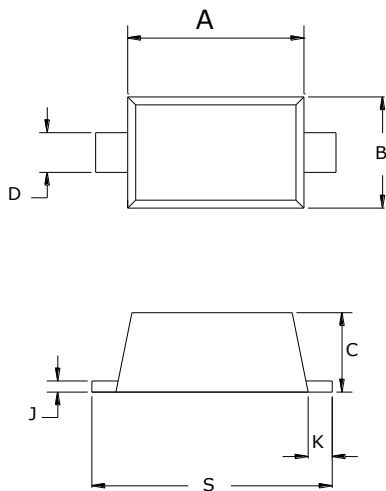
Ordering Information

Device	Package	Marking	Qty per Reel	Reel Size
SSCS520S30D3	SOD-523	B	3000	7 Inch

Mechanical Data

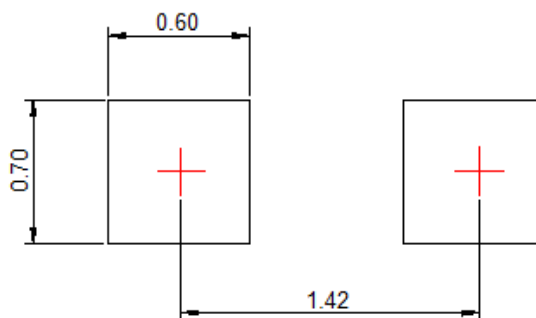
Case: SOD-523

Case Material: Molded Plastic. UL Flammability



DIM	Millimeters	
	Min	Max
A	1.10	1.30
B	0.75	0.85
C	0.51	0.70
D	0.25	0.35
J	0.08	0.15
K	0.15	0.25
S	1.50	1.70

Recommended Pad outline





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