

SSCS520S40D3 Schottky Barrier Diode

• Features

- ♦ Small surface mounting type
- \diamond Low reverse current and low forward voltage
- ♦ High reliability

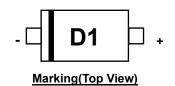
Applications

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

• PIN configuration







• Absolute maximum rating @T_A=25°C

U =				
Parameter	Symbol	Value	Unit	
Reverse Voltage(DC)	VR	40	V	
Average Rectified Forward Current	lo	200	mA	
Peak Forward Surge Current @t=8.3ms	I _{FSM}	600	mA	
Operating Temperature	TJ	150	°C	
Storage Temperature	Tstg	-40 ~ +150	°C	

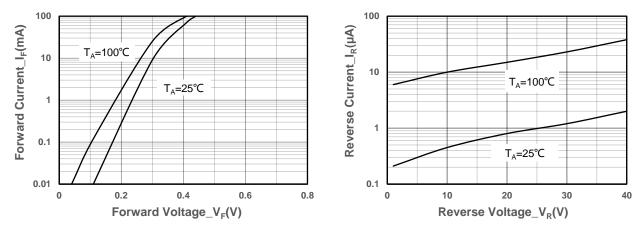
• Electrical Characteristics @T_A=25℃

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Unit
Reverse Voltage	VR	I _R = 100μA	40			V
		I _F = 1mA			0.33	
Forward Voltage	VF	I _F = 10mA		0.4	0.39	V
		I _F = 100mA			0.56	
Reverse Current	In	V _R = 25V			1	μA
Reverse Guirent	IR	V _R = 30V			1.5	μΛ



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• Typical Performance Characteristics



Forward Voltage vs. Forward Current

Reverse Voltage vs. Reverse Current

• Package Information

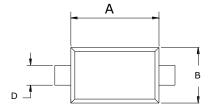
Ordering Information

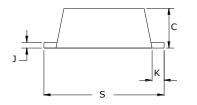
Device	Package	Marking	Qty per Reel	Reel Size
SSCS520S40D3	SOD-523	D1	3000	7 Inch

Mechanical Data

Case: SOD-523

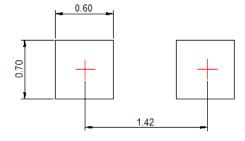
Case Material: Molded Plastic. UL Flammability





DIM	Millimeters		
	Min	Max	
Α	1.10	1.30	
В	0.75	0.85	
С	0.51	0.70	
D	0.25	0.35	
J	0.08	0.15	
к	0.15	0.25	
S	1.50	1.70	

Recommended Pad outline (Unit:mm)





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