



## SSCS521S30N1

### Schottky Barrier Diode

#### ● Features

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

#### ● PIN configuration



**DFN1006-2L(Bottom View)**



**Circuit Diagram**

#### ● Applications

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



**Marking(Top View)**

#### ● Absolute maximum rating @T<sub>A</sub>=25°C

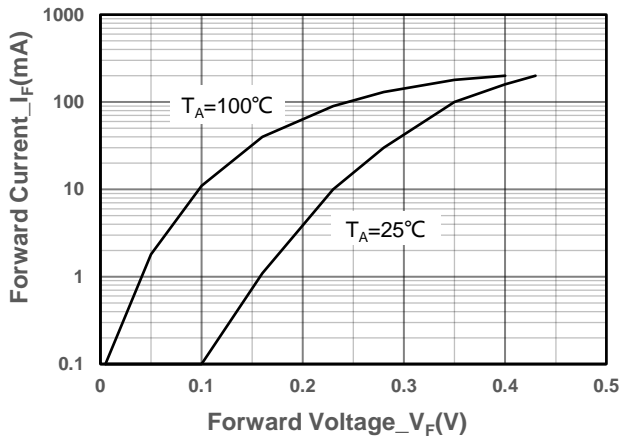
Parameter	Symbol	Value	Unit
Reverse Voltage(DC)	V <sub>R</sub>	30	V
Average Rectified Forward Current	I <sub>o</sub>	200	mA
Peak Forward Surge Current	I <sub>FSM</sub>	1	A
Operating Temperature	T <sub>J</sub>	100	°C
Storage Temperature	T <sub>STG</sub>	-40 ~ +100	°C

#### ● Electrical Characteristics @T<sub>A</sub>=25°C

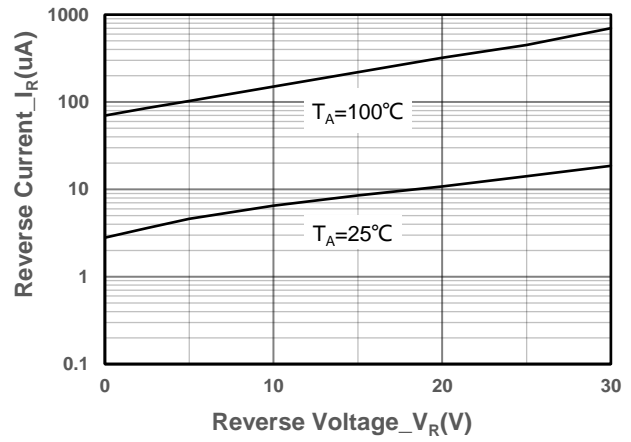
Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Reverse Voltage	V <sub>R</sub>	I <sub>R</sub> = 200uA	30			V
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> = 200mA		0.4	0.5	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> = 10V		8	30	uA



- Typical Performance Characteristics



Forward Voltage vs. Forward Current



Reverse Voltage vs. Reverse Current



## ● Package Information

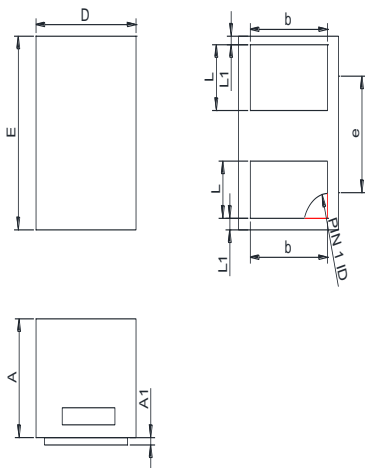
### Ordering Information

Device	Package	Marking	Qty per Reel	Reel Size
SSCS521S30N1	DFN1006-2L	E	10000	7 Inch

### Mechanical Data

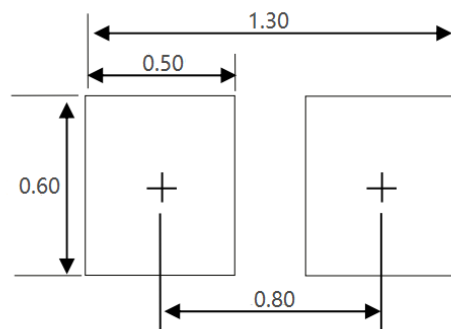
Case: DFN1006-2L

Case Material: Molded Plastic. UL Flammability



DIM	Millimeters	
	Min	Max
A	0.45	0.55
A1	0.00	0.05
D	0.55	0.65
E	0.95	1.05
b	0.45	0.60
e	0.65TYP	
L	0.2	0.3
L1	0.05REF	

### Recommended Pad outline



Unit:mm



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