



SSCS521S40N1

Schottky Barrier Diode

● Features

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

● PIN configuration



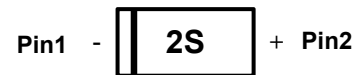
DFN1006-2L(Bottom View)

● Applications

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



Circuit Diagram



Marking(Top View)

● Absolute maximum rating @T_A=25°C

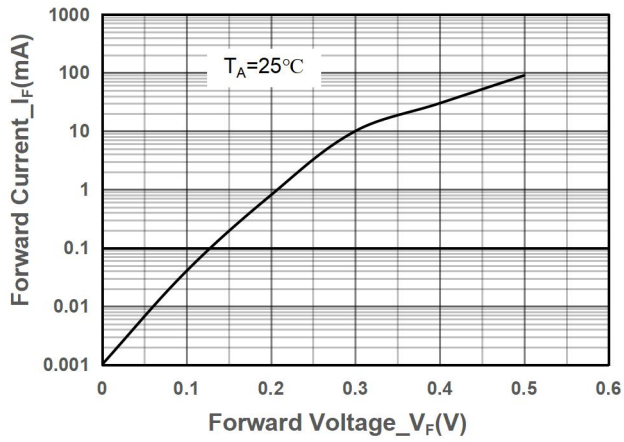
Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage Reverse Voltage(DC)	V _{RRM} V _R	40	V
Average Rectified Forward Current	I _O	200	mA
Non-Repetitive Peak Forward Surge Current@ t=8.3ms	I _{FSM}	1	A
Operating Temperature	T _J	125	°C
Storage Temperature	T _{STG}	-40 ~ +100	°C

● Electrical Characteristics @T_A=25°C

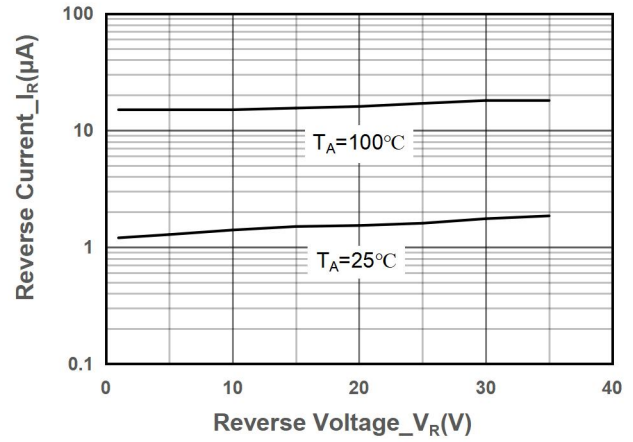
Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Reverse Voltage	V _R	I _R = 100μA	40			V
Forward Voltage	V _F	I _F = 10mA			0.35	V
		I _F = 200mA			0.6	
Reverse Current	I _R	V _R = 10V			10	μA



- Typical Performance Characteristics



Forward Voltage vs. Forward Current



Reverse Voltage vs. Reverse Current



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● Package Information

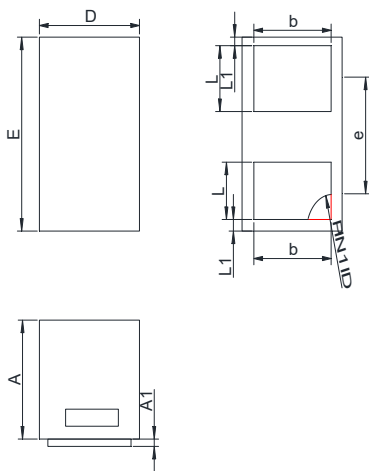
Ordering Information

Device	Package	Marking	Qty per Reel	Reel Size
SSCS521S40N1	DFN1006-2L	2S	10000	7 Inch

Mechanical Data

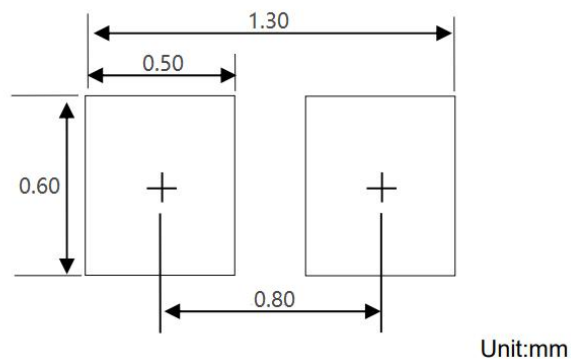
Case: DFN1006-2L

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





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