



SSCS520S30N1

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_A=25°C

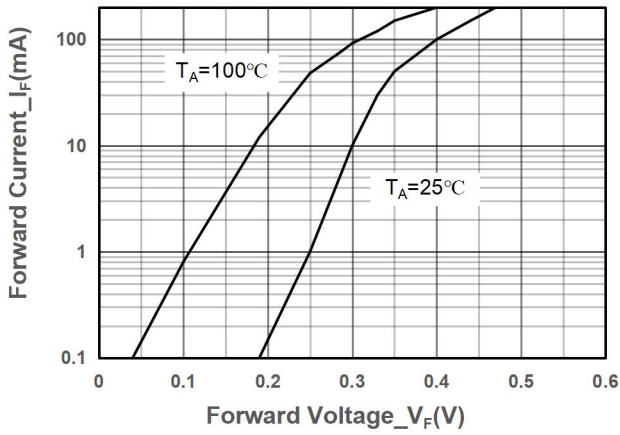
Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V _{RRM}	30	V
Reverse Voltage(DC)	V _R		
Average Rectified Forward Current	I _o	200	mA
Non-Repetitive Peak Forward Surge Current@ t=8.3ms	I _{FSM}	1	A
Operating Temperature	T _J	125	°C
Storage Temperature	T _{STG}	-40 ~ +100	°C

● Electrical Characteristics @T_A=25°C

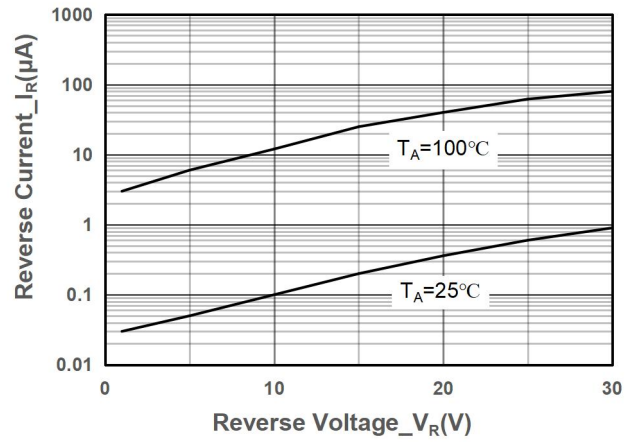
Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Reverse Voltage	V _R	I _R = 100μA	30			V
Forward Voltage	V _F	I _F = 100mA		0.4		V
		I _F = 200mA			0.6	
Reverse Current	I _R	V _R = 10V			1	μA



- Typical Performance Characteristics



Forward Voltage vs. Forward Current



Reverse Voltage vs. Reverse Current



● Package Information

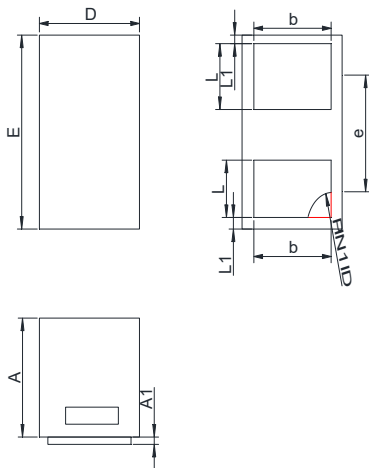
Ordering Information

Device	Package	Marking	Qty per Reel	Reel Size
SSCS520S30N1	DFN1006-2L	L	10000	7 Inch

Mechanical Data

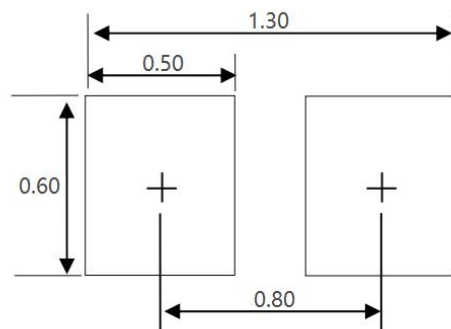
Case: DFN1006-2L

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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