

### Surface Mount Schottky Barrier Diodes

**(Pb)** Lead(Pb)-Free

#### Feature:

- \* Silicon Epitaxial Planar
- \* Extremelysmall Surface Mounting Type. (SOD-882)
- \* Low Vf
- \* High Reliability
- \* We Declare That The Material of Product Compliance With RoHS Requirements

#### Applications:

- \* Low Current Rectification

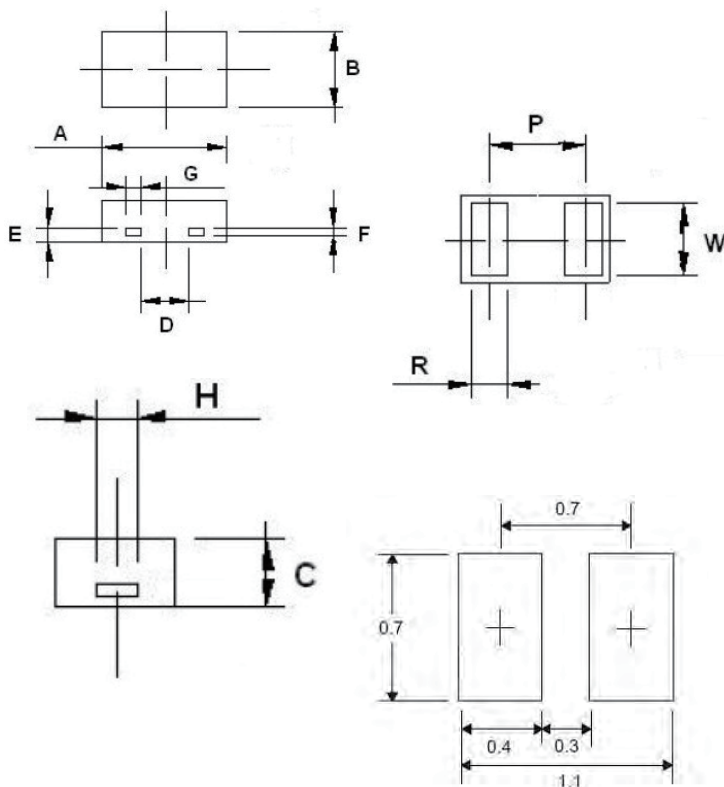
**SMALL SIGNAL  
SCHOTTKY DIODES  
100m AMPERES  
30 VOLTS**



**SOD-882**

### SOD-882 Outline Dimensions

Unit:mm



**SOLDERING FOOTPRINT**

MILLIMETERS			
DIM	MIN	NOM	MAX
A	0.95	1.00	1.05
B	0.55	0.60	0.65
C	0.465	0.4825	0.5
D	0.39		
E	0.127		
F	0.0635		
G	0.12		
H	0.20		
P	0.64		
R	0.2	0.25	0.3
W	0.44	0.49	0.54

**Maximum Ratings** ( $T_A=25^\circ\text{C}$  Unless otherwise noted)


Characteristic	Symbol	Value	Unit
DC Reverse Voltage	$V_R$	30	V
Average Rectifier Forward Current	$I_O$	100	mA
Peak Forward Surge Current <sup>(1)</sup>	$I_{FSM}$	500	mA
Operation Junction Temperature Range	$T_J$	125	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	-40 to +125	$^\circ\text{C}$

NOTE: 1.60HZ for 1 Cycle

**Electrical Characteristics** ( $T_A=25^\circ\text{C}$  Unless otherwise noted)

Characteristic	Symbol	Min	Typ	Max	Unit
Forward Voltage $I_F=200\text{mA}$	$V_F$			0.5	V
Reverse Current $V_R=10\text{V}$	$I_R$	-	-	10	$\mu\text{A}$

**Device Marking**

Item	Marking	Equivalent Circuit diagram
WSD521BS	F	 <p>1 ○ — &lt;— ○ 2 Cathode                      Anode</p>

## Electrical Characteristic Curves (T<sub>A</sub>=25°C)

