

Surface Mount Schottky Barrier Diodes

(Pb) Lead(Pb)-Free

Feature:

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

Applications:

- * Low Current Rectification

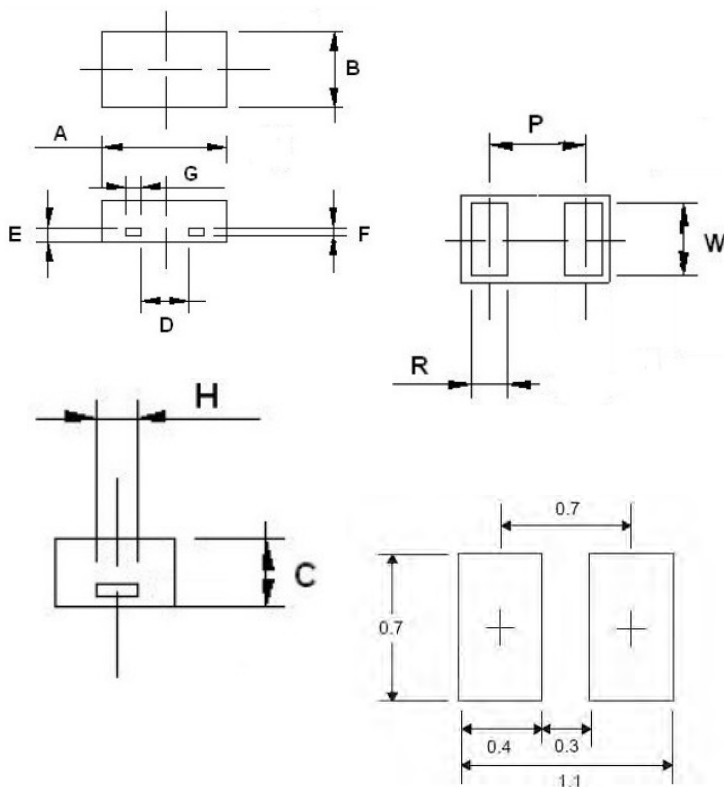
**SMALL SIGNAL
SCHOTTKY DIODES
200m AMPERES
30 VOLTS**



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	200	mA
Peak Forward Surge Current	I_{FSM}	500	mA
Operation Junction Temperature Range	T_J	125	$^{\circ}\text{C}$
Storage Temperature Range	T_{stg}	-40 to +125	$^{\circ}\text{C}$

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	-	-	0.6	V
Reverse Current $V_R=10\text{V}$	I_R	-	-	1.0	μA

Device Marking

Item	Marking	Equivalent Circuit diagram
WSD520BS	L	 1 \circ — \leftarrow — \circ 2 Cathode Anode

Electrical Characteristic Curves (T_A=25°C)

