

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

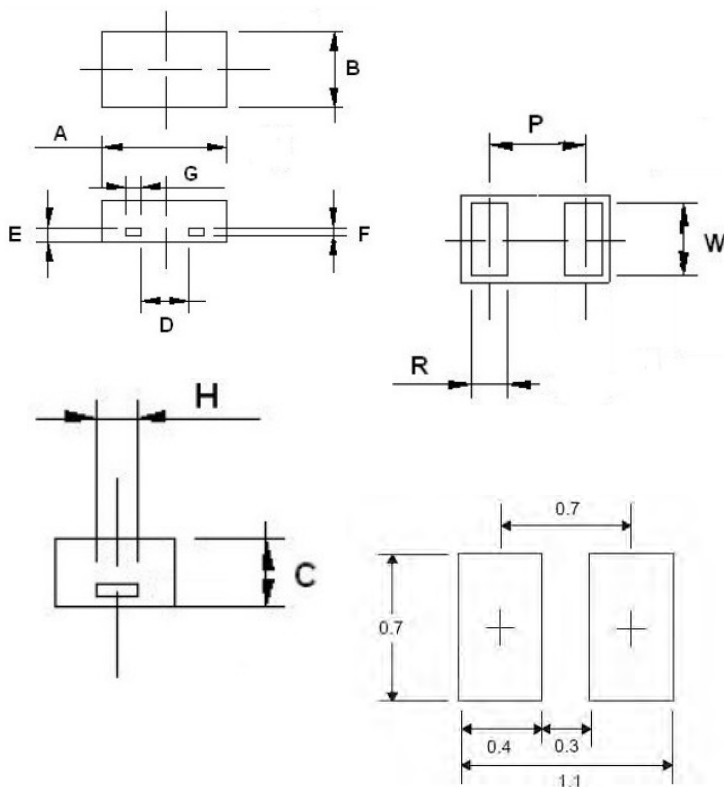
**SMALL SIGNAL
SCHOTTKY DIODES
200m AMPERES
40 VOLTS**



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	Limits	Unit
Reverse Voltage (DC)	V_R	40	V
Average Rectifier Forward Current	I_O	200	mA
Forward current surge peak (60Hz · 1cyc)	I_{FSM}	500	A
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	Max	Unit	Conditions
Forward Voltage	V_F	-	0.35	V	$I_F=10\text{mA}$
Forward Voltage	V_F	-	0.40	V	$I_F=20\text{mA}$
Reverse Current	I_R	-	10	μA	$V_R=10\text{V}$

Device Marking

Item	Marking	Equivalent Circuit diagram
WSD521BS-40	T	 1 ○ — <— ○ 2 Cathode Anode

Electrical Characteristic Curves

