

# RB520S8-30

## RB520S8-30 Schottky Barrier Diode

### General description

Schottky Barrier Diode in a SOD-882 Plastic Package.

### FEATURES

- Low Forward Voltage Drop
- Small Surface Mounting Type (DFN1006)
- RoHS Compliant
- Green EMC
- Matte Tin(Sn) Lead Finish
- Band Indicates Cathode
- Weight: approx. 0.001g

### Green Product



SOD882 Package



### Absolute Maximum Ratings T<sub>A</sub> = 25°C unless otherwise noted

Symbol	Parameter	Value	Units
P <sub>D</sub>	Power Dissipation	150	mW
T <sub>STG</sub>	Storage Temperature Range	-55 to +125	°C
T <sub>J</sub>	Operating Junction Temperature	+125	°C
V <sub>R</sub>	Reverse Voltage	30	V
I <sub>F(AV)</sub>	Average Forward Current	200	mA
I <sub>FSM</sub>	Peak Forward Surge Current (At 8.3ms single half sine-wave)	0.5	A

### Device Marking Code:

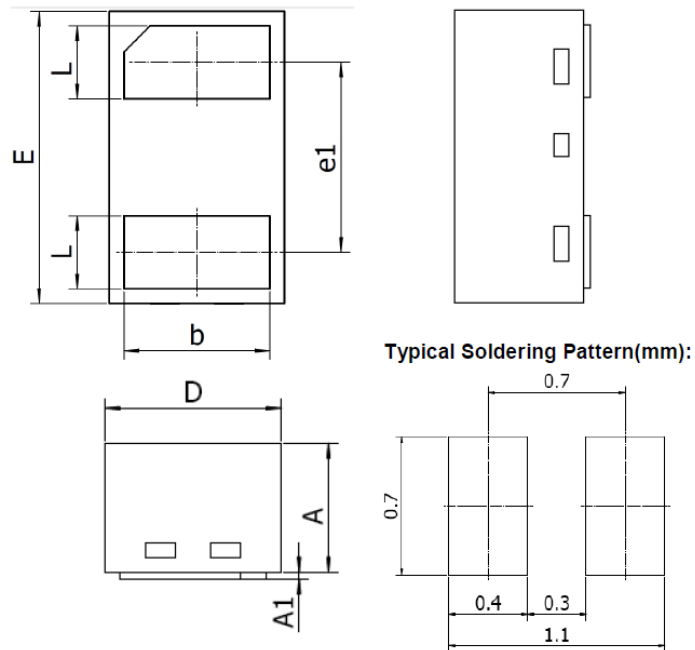
Device Type	Device Marking
RB520S8-30	E or F

### Electrical Characteristics T<sub>A</sub> = 25°C unless otherwise noted

Symbol	Parameter	Test Condition	Limits		Unit
			Min	Max	
I <sub>R</sub>	Reverse Leakage Current	V <sub>R</sub> =10V		1	μA
V <sub>F</sub>	Forward Voltage	I <sub>F</sub> =10mA		0.45	Volts
		I <sub>F</sub> =200mA		0.60	Volts

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## SOD882 Package Outline



DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	0.46	0.50	0.018	0.020
A1	---	0.03	---	0.001
b	0.45	0.55	0.018	0.022
D	0.55	0.65	0.022	0.026
E	0.95	1.05	0.037	0.041
e1	Typ. 0.65		Typ. 0.026	
L	0.20	0.30	0.008	0.012

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