

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_A = 25°C unless otherwise noted

Symbol	Parameter	Value	Units
P _D	Power Dissipation	150	mW
T _{STG}	Storage Temperature Range	-55 to +125	°C
T _J	Operating Junction Temperature	+125	°C
V _R	Reverse Voltage	30	V
I _{F(AV)}	Average Forward Current	200	mA
I _{FSM}	Peak Forward Surge Current (At 8.3ms single half sine-wave)	0.5	A

Device Marking Code:

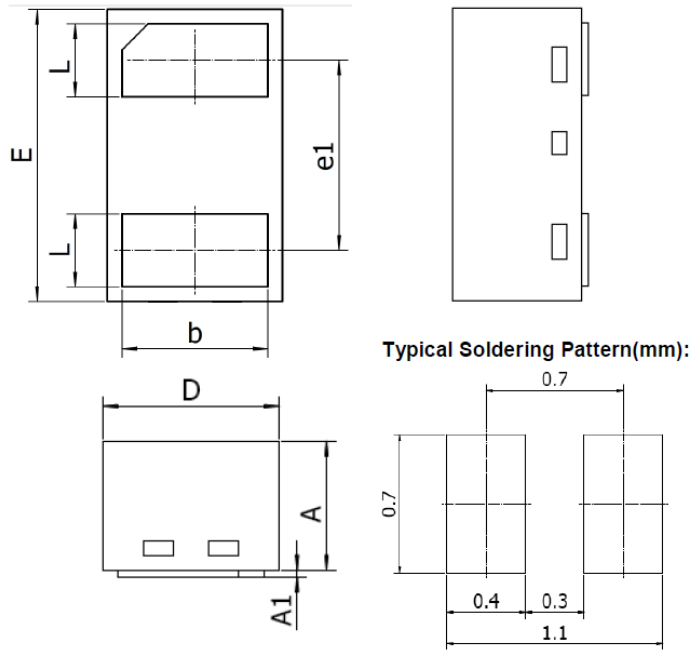
Device Type	Device Marking
RB520S8-30	E or F

Electrical Characteristics T_A = 25°C unless otherwise noted

Symbol	Parameter	Test Condition	Limits		Unit
			Min	Max	
I _R	Reverse Leakage Current	V _R =10V		1	μA
V _F	Forward Voltage	I _F =10mA		0.45	Volts
		I _F =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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