

SOD-882 Plastic Package Schottky Barrier Diode

Green Product



SOD882 Package



Absolute Maximum Ratings $T_A = 25^\circ\text{C}$ unless otherwise noted

Symbol	Parameter	Value	Units
P_D	Power Dissipation	150	mW
T_{STG}	Storage Temperature Range	-55 to +125	$^\circ\text{C}$
T_J	Operating Junction Temperature	+125	$^\circ\text{C}$
V_R	DC 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

These ratings are limiting values above which the serviceability of the diode may be impaired.

Specification Features:

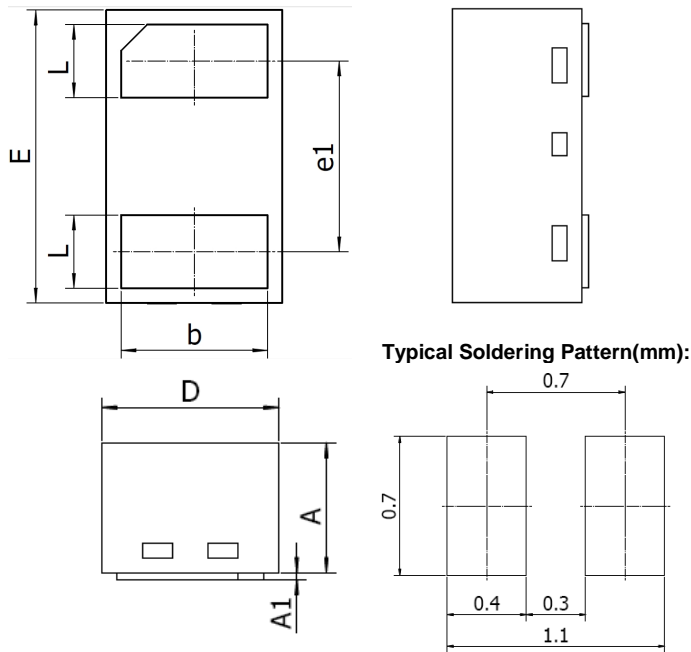
- § Low Forward Voltage Drop
- § Small Surface Mounting Type (DFN1006)
- § RoHS Compliant
- § Green EMC
- § Matte Tin(Sn) Lead Finish
- § Band Indicates Cathode
- § Weight: approx. 0.001g

DEVICE MARKING CODES:

Device Type	Marking	Shipping
RB520S8-30	E	10,000/Tape & Reel

Electrical Characteristics $T_A = 25^\circ\text{C}$ unless otherwise noted

Symbol	Parameter	Test Condition	Limits		Unit
			Min	Max	
I_R	Reverse Leakage Current	$V_R=10\text{V}$		1	μA
V_F	Forward Voltage	$I_F=10\text{mA}$		0.45	Volts
		$I_F=200\text{mA}$		0.60	Volts

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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