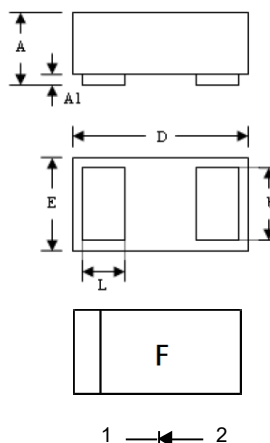


**SURFACE MOUNT
SCHOTTKY BARRIER DIODE**
**REVERSE VOLTAGE – 30 Volts
FORWARD CURRENT – 0.2 Ampere**
FEATURES

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

MECHANICAL DATA

- Case: SOD-882 Plastic
- Weight: approx. 0.001g
- Marking Code: F

SOD-882


SOD-882		
DIM.	MIN.	MAX.
A	0.46	0.50
A1	---	0.03
b	0.45	0.55
D	0.95	1.05
E	0.55	0.65
L	0.20	0.30

All Dimensions in millimeter

PIN ASSIGNMENT	
1	Cathode
2	Anode

Maximum Ratings & Thermal Characteristics @ T_A = 25°C unless otherwise specified

Characteristic	Symbol	RB521S8-30F	Units
Power Dissipation	P _D	150	mW
Peak Forward Surge Current (At 8.3ms single half sine-wave)	I _{FSM}	0.5	A
Reverse Voltage	V _R	30	V
Average Forward Current	I _{F(AV)}	200	mA
Operating Temperature Range	T _J	-55~+150	°C
Storage Temperature Range	T _{STG}	-55~+125	°C

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

Electrical Characteristics @ T_A = 25°C unless otherwise specified

Characteristic	Test Condition	Symbol	RB521S8-30F	Unit
Reverse Current	V _R = 10V	I _R	30	uA
Forward Voltage	I _F = 10mA	V _F	0.35	V
	I _F = 200mA		0.50	

REV.1, JUN-2018, KSHR03

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