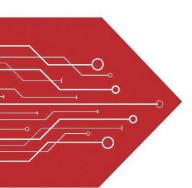
MSKSEMI















ESD

TVS

TSS

MOV

GDT

PLED

Broduct data speet







Silicon Epitaxial Planar Schottky Barrier Diode

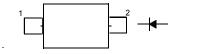
for low current rectification and high speed switching applications

Features

- Extremely small surface mounting type
- High reliability

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



SOD-523

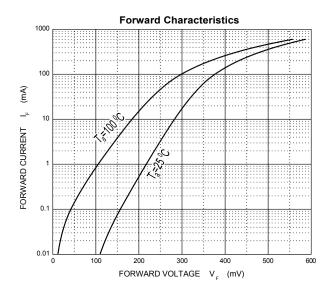
Absolute Maximum Ratings (T_a = 25 °C)

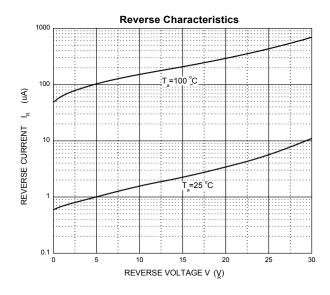
Parameter	Symbol	Value	Unit
Reverse Voltage	V _R	30	V
Mean Rectifying Current	Io	200	mA
Peak Forward Surge Current (60Hz for Cyc.)	I _{FSM}	1	А
Junction Temperature	Tj	125	°C
Storage Temperature Range	T _{stg}	- 40 to + 125	°C

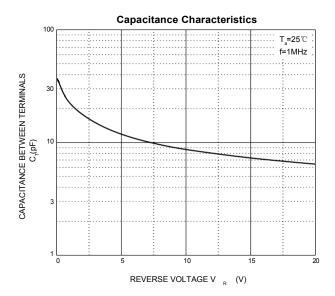
Characteristics at T_a = 25 °C

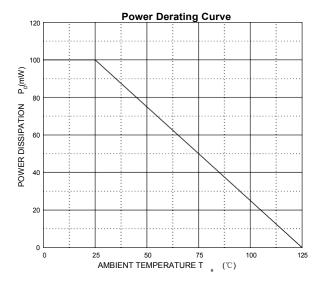
Parameter	Symbol	Max.	Unit
Forward Voltage at I_F = 200 mA	V _F	0.5	V
Reverse Current at V _R = 10 V	I _R	30	μΑ

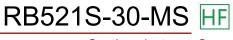










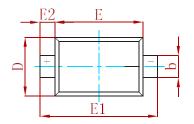


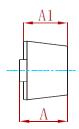


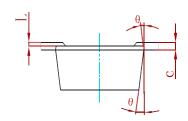






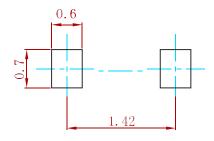






Cumbal	Dimensions In Millimeters		Dimensions In Inches	
Symbol	Min	Max	Min	Max
Α	0.510	0.770	0.020	0.031
A1	0.500	0.700	0.020	0.028
b	0.250	0.350	0.010	0.014
С	0.080	0.150	0.003	0.006
D	0.750	0.850	0.030	0.033
E	1.100	1.300	0.043	0.051
E1	1.500	1.700	0.059	0.067
E2	0.200 REF		0.008 REF	
L	0.010	0.070	0.001	0.003
0	7° REF		7° F	REF

Suggested Pad Layout



Note:

- 1. Controlling dimension:in millimeters.
- 2.General tolerance:± 0.05mm.
- 3. The pad layout is for reference purposes only.

REEL SPECIFICATION

P/N	PKG	QTY
RB521S-30-MS	SOD-523	3000



Compiance

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