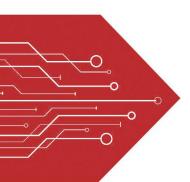
MSKSEMI















ESD

TVS

TSS

MOV

GDT

PLED

Broduct data sheet



SOD-523



RB520S-30 Schottky barrier Diode

FEATURES

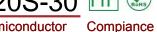
- Small surface mounting type
- Low I_R
- High reliability

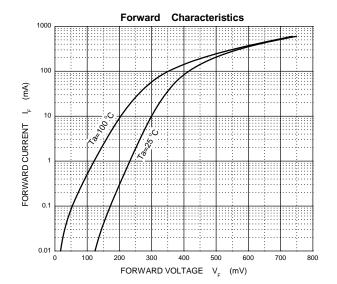
Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25℃

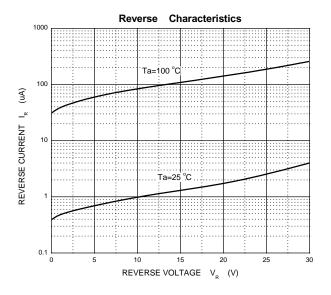
Parameter	Symbol	Limit	Unit
DC reverse voltage	V_{R}	30	V
Mean rectifying current	lo	200	mA
Peak forward surge current	I _{FSM}	1	А
Power dissipation	Po	150	mW
Thermal resistance junction to ambient Reja		667	°C/W
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-55~+150	°C

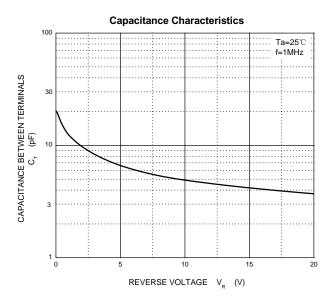


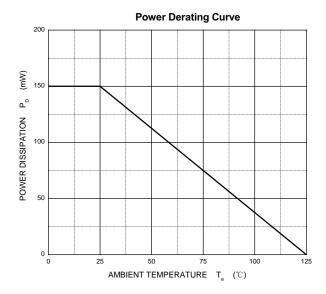






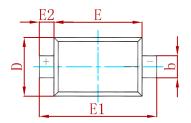


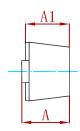


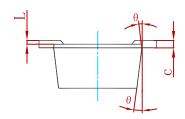




PACKAGE MECHANICAL DATA

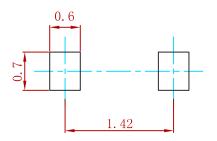






Symbol	Dimensions In Millimeters		Dimensions In Inches	
Symbol	Min	Max	Min	Max
Α	0.510	0.770	0.020	0.031
A1	0.500	0.700	0.020	0.028
b	0.250	0.350	0.010	0.014
С	0.080	0.150	0.003	0.006
D	0.750	0.850	0.030	0.033
E	1.100	1.300	0.043	0.051
E1	1.500	1.700	0.059	0.067
E2	0.200 REF		0.008 REF	
L	0.010	0.070	0.001	0.003
θ	7° RFF		7° 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	
RB520S-30	SOD-523	3000	



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