



Product data sheet

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SOD-523



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RB520S-40

Schottky Barrier Diode

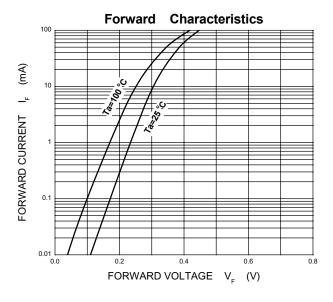
FEATURES

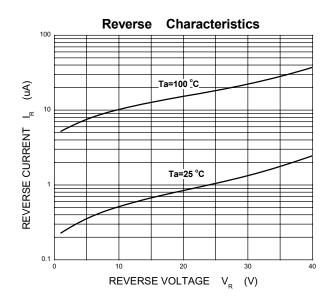
- Small surface mounting type
- Low I_R
- High reliability

Maximum Ratings and Electrical Characteristics, Single Diode @T_A=25°C

Parameter	Symbol	Limit	Unit	
DC reverse voltage	V _R	40	V	
Mean rectifying current	lo	0.2	А	
Non-repetitive peak forward surge current@t=8.3ms	I _{FSM}	1	А	
Power Dissipation	PD	150	mW	
Thermal resistance from junction to ambient	R _{θJA}	667	°C/W	
Junction temperature	TJ	125	50 °C	
Storage temperature	T _{STG}	-55~+150		





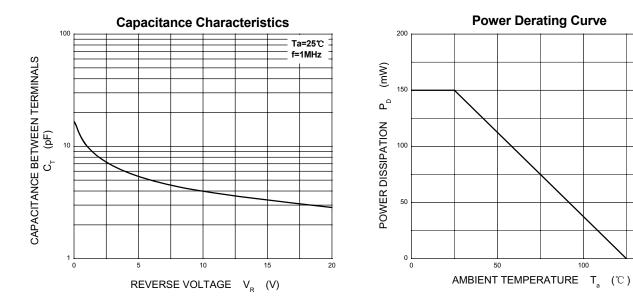


RB520S-4

Semiconductor

HF

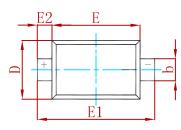
Compiance

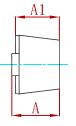


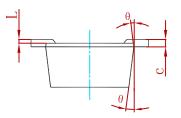
150



PACKAGE MECHANICAL DATA

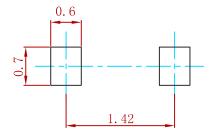






Symbol	Dimensions In Millimeters		Dimensions In Inches	
Symbol	Min	Max	Min	Max
A	0.510	0.770	0.020	0.031
A1	0.500	0.700	0.020	0.028
b	0.250	0.350	0.010	0.014
С	0.080	0.150	0.003	0.006
D	0.750	0.850	0.030	0.033
E	1.100	1.300	0.043	0.051
E1	1.500	1.700	0.059	0.067
E2	0.200 REF		300.0	B REF
L	0.010	0.070	0.001	0.003
θ	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
RB520S-40	SOD-523	3000





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