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SOD-523





RB520S-40 Schottky Barrier Diode

FEATURES

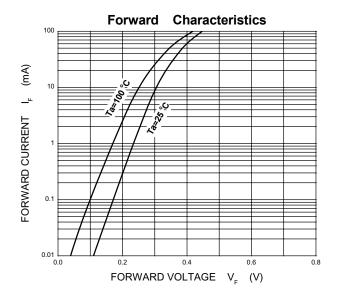
- Small surface mounting type
- Low I_R
- High reliability

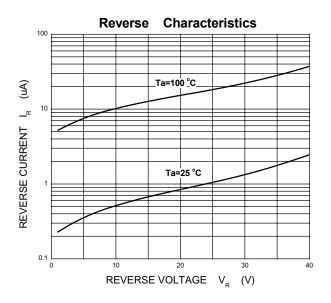
Maximum Ratings and Electrical Characteristics, Single Diode @T_A=25℃

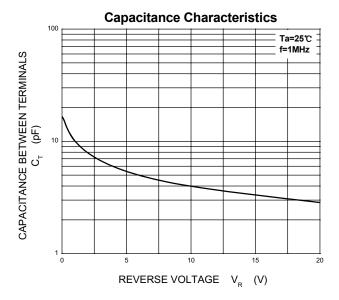
Parameter	Symbol	Limit	Unit	
DC reverse voltage	V _R	40	V	
Mean rectifying current	lo	0.2	А	
Non-repetitive peak forward surge current@t=8.3ms	I _{FSM}	1	А	
Power Dissipation	P _D	150	mW	
Thermal resistance from junction to ambient	$R_{\theta JA}$	667	°C/W	
Junction temperature	TJ	125	3.5	
Storage temperature	T _{STG}	-55~+150	- ℃	

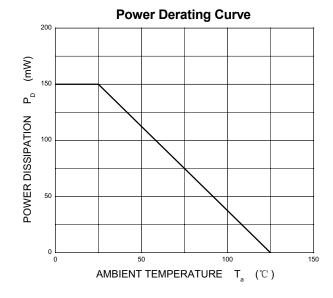
Semiconductor



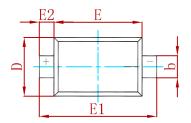


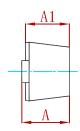


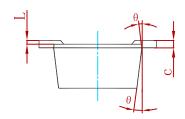






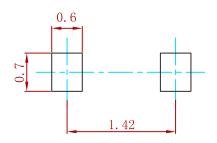






Symbol	Dimensions In Millimeters		Dimensions In Inches	
Symbol	Min	Max	Min	Max
Α	0.510	0.770	0.020	0.031
A1	0.500	0.700	0.020	0.028
b	0.250	0.350	0.010	0.014
С	0.080	0.150	0.003	0.006
D	0.750	0.850	0.030	0.033
E	1.100	1.300	0.043	0.051
E1	1.500	1.700	0.059	0.067
E2	0.200 REF		0.008	REF
L	0.010	0.070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