



迈拓电子
MAITUO ELECTRONIC

RB520S-40 Plastic-Encapsulated Diodes



Schottky Barrier Diode

Cathode

Anode



FEATURES

- Small surface mounting type
- Low I_R
- High reliability

SOD-523

MARKING: D1

Maximum Ratings and Electrical Characteristics, Single Diode @ $T_A=25^\circ C$

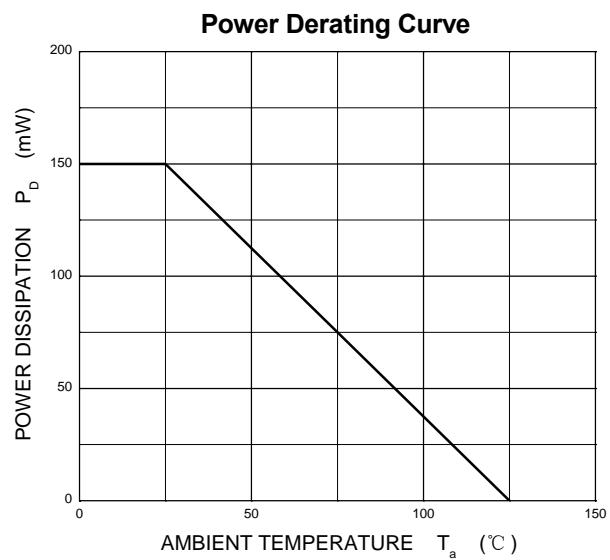
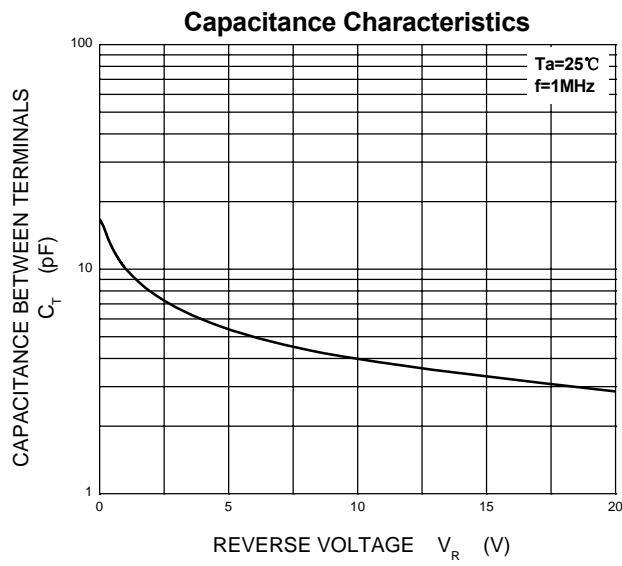
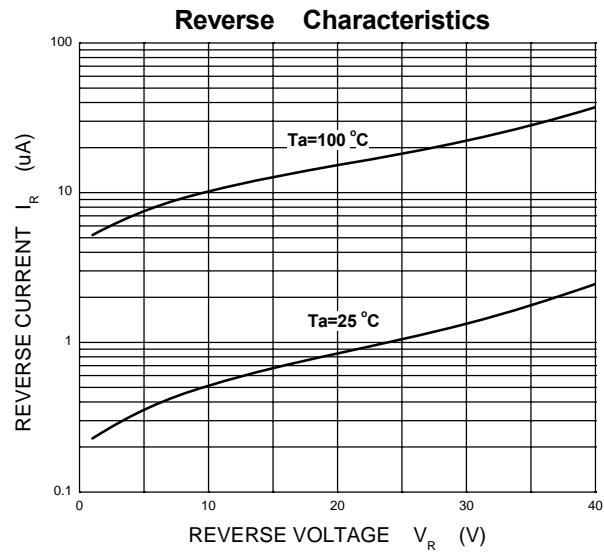
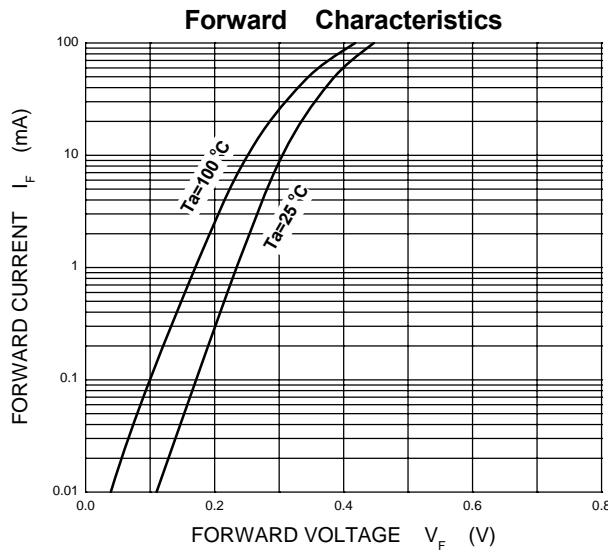
Parameter	Symbol	Limit	Unit
DC reverse voltage	V_R	40	V
Mean rectifying current	I_o	0.2	A
Non-repetitive peak forward surge current@ $t=8.3ms$	I_{FSM}	1	A
Power Dissipation	P_D	150	mW
Thermal resistance from junction to ambient	$R_{\theta JA}$	667	$^\circ C/W$
Junction temperature	T_J	125	$^\circ C$
Storage temperature	T_{STG}	-55~+150	

Electrical Ratings @ $T_A=25^\circ C$

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V_F		0.304 0.446	0.39 0.55	V	$I_F=10mA$ $I_F=100mA$
Reverse current	I_R		0.605 2.837	1 10	μA	$V_R=10V$ $V_R=40V$



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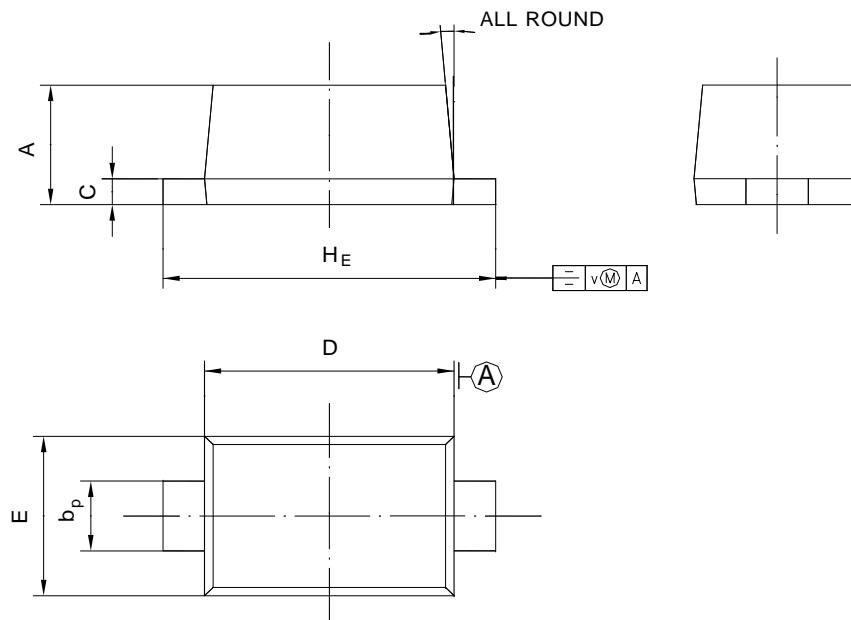


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PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

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UNIT	A	b _p	C	D	E	H _E	V	∠
mm	0.68 0.58	0.4 0.3	0.135 0.100	1.25 1.15	0.85 0.75	1.7 1.5	0.1	5°