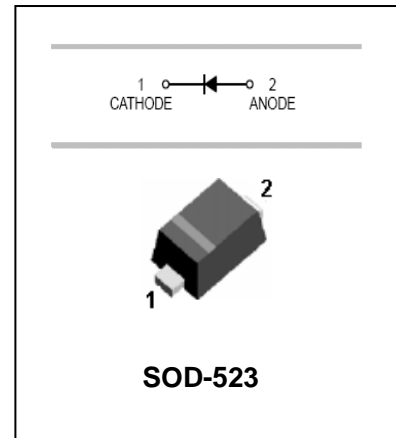


Schottky Barrier Diode

RB520S-30

FEATURES

- Low I_R .
- High reliability.
- Small surface mounting.



APPLICATIONS

- Low current rectification.

ORDERING INFORMATION

Type No.	Marking	Package Code
RB520S-30	B	SOD-523

MAXIMUM RATING @ Ta=25°C unless otherwise specified

Parameter	Symbol	Limits	Unit
DC reverse voltage	V_R	30	V
Mean rectifying current	I_o	200	mA
Peak forward surge current	I_{FSM}	1	A
Total device dissipation	P_T	200	mW
Junction and storage temperature	T_j, T_{stg}	-40 to +125	°C

ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F			0.6	V	$I_F=200mA$
Reverse current	I_R			1	μA	$V_R=10V$

Schottky Barrier Diode

RB520S-30

TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

Fig.1 Forward Characteristics

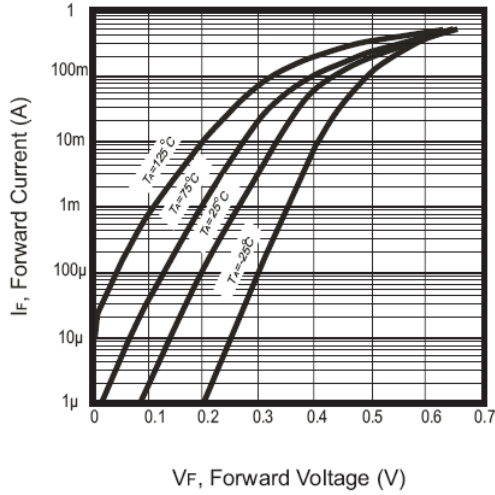
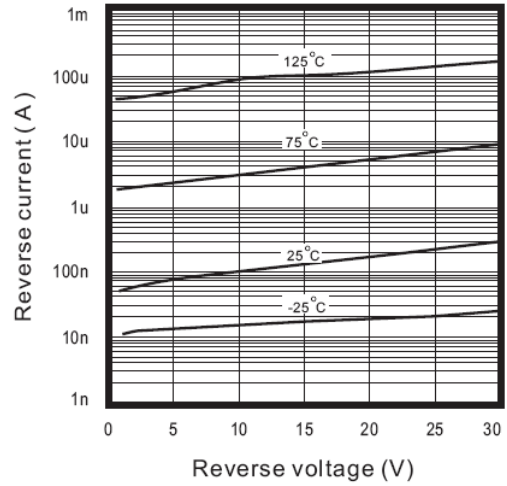


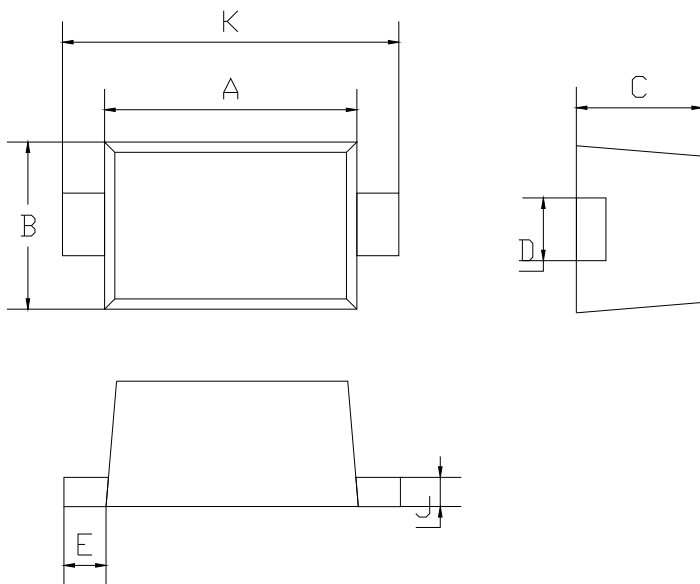
Fig. 2 - Reverse characteristics



PACKAGE OUTLINE

Plastic surface mounted package

SOD-523

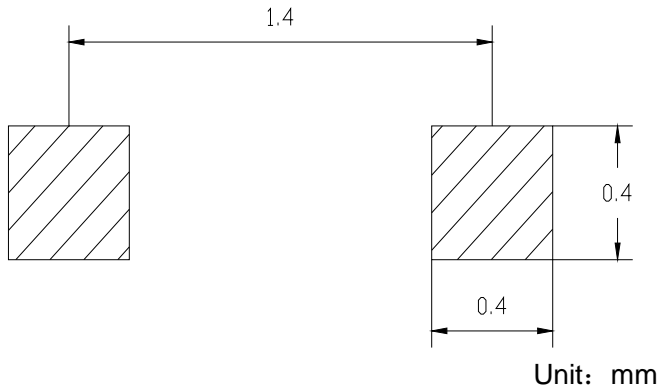


SOD-523		
Dim	Min	Max
A	1.1	1..3
B	0.7	0.9
C	0.5	0.7
D	0.3 Typical	
E	0.15	0.25
J	0.1 Typical	
K	1.5	1.7
All Dimensions in mm		

Schottky Barrier Diode

RB520S-30

SOLDERING FOOTPRINT



PACKAGE INFORMATION

Device	Package	Shipping
RB520S-30	SOD-523	3000/Tape&Reel