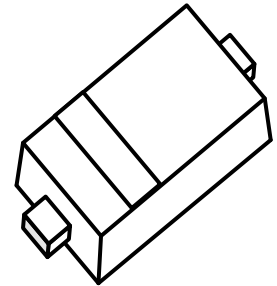


**RB521S-30 Schottky Barrier Diode**
**Feature**

- Small surface mounting type
- Low IR
- High Reliability

**MARKING:**

**SOD-523**

**ABSOLUTE MAXIMUM RATINGS ( $T_a=25^{\circ}\text{C}$  unless otherwise noted)**

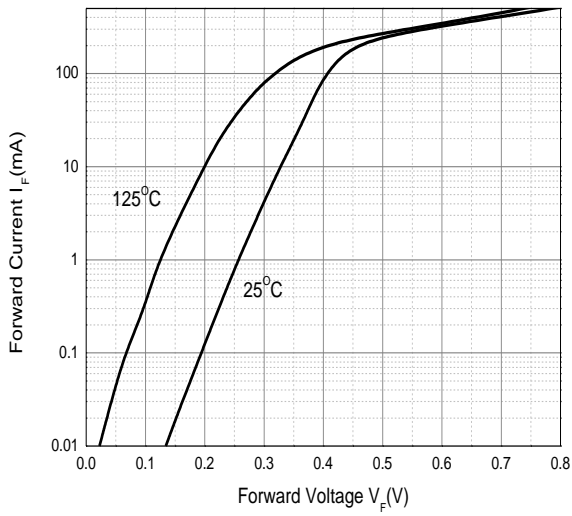
Parameter	Symbol	Value	Unit
DC reverse voltage	$V_R$	30	V
Mean rectifying current	$I_o$	0.2	A
Non-repetitive Peak Forward Surge Current @ $t=8.3\text{ms}$	$I_{FSM}$	1	A
Power Dissipation	$P_D$	0.15	W
Thermal Resistance from Junction to Ambient	$R_{\theta JA}$	667	$^{\circ}\text{C}/\text{W}$
Junction Temperature	$T_J$	125	$^{\circ}\text{C}$
Storage Temperature Range	$T_{STG}$	-55 ~ +150	$^{\circ}\text{C}$

**ELECTRICAL CHARACTERISTICS ( $T_a=25^{\circ}\text{C}$  unless otherwise noted)**

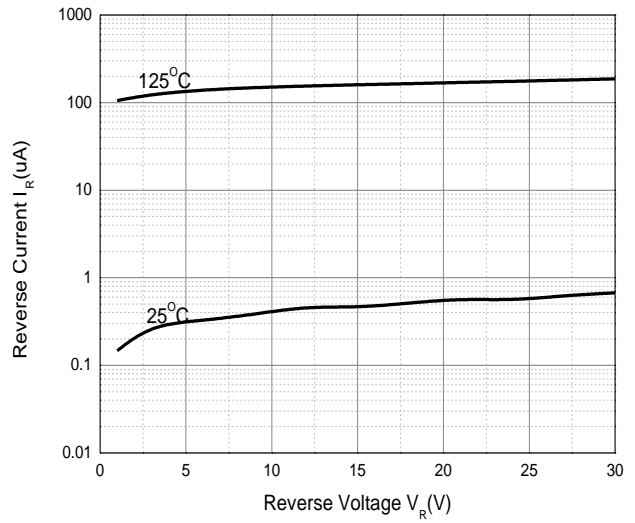
Parameter	Symbol	Test Condition	Min	Type	Max	Unit
Reverse voltage	$V_{BR}$	$I_R = 100\mu\text{A}$	30			V
Forward voltage	$V_F$	$I_F = 10\text{mA}$			0.35	V
		$I_F = 200\text{mA}$			0.5	V
Reverse current	$I_R$	$V_R = 10\text{V}$			30	$\mu\text{A}$

**Typical Characteristics**

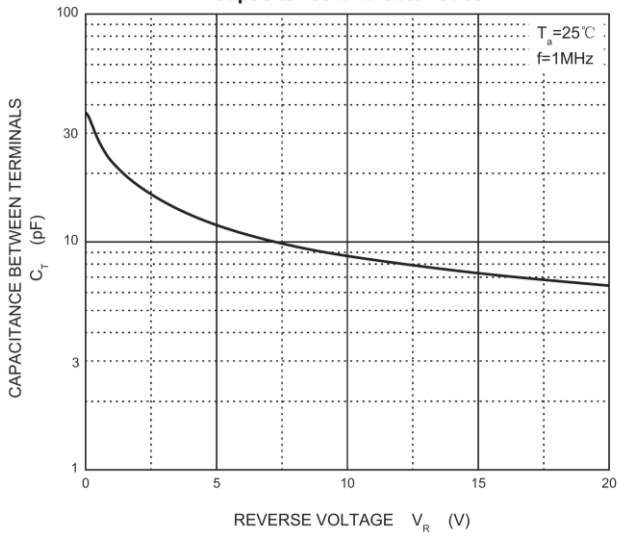
Forward Characteristics



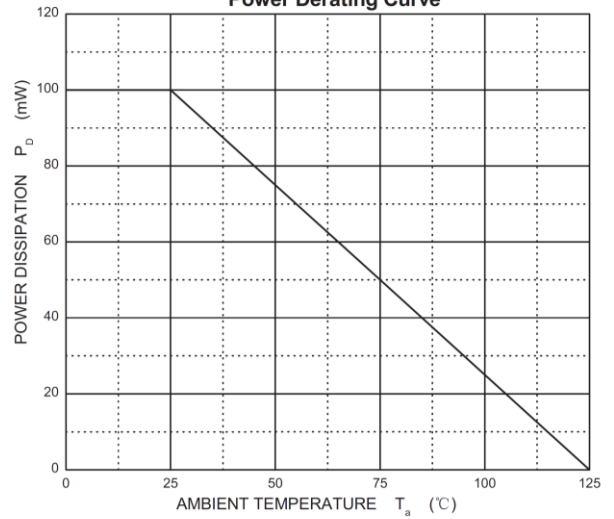
Reverse Characteristics

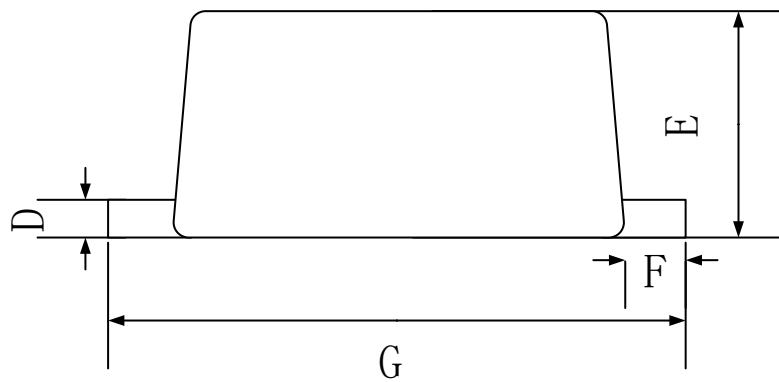
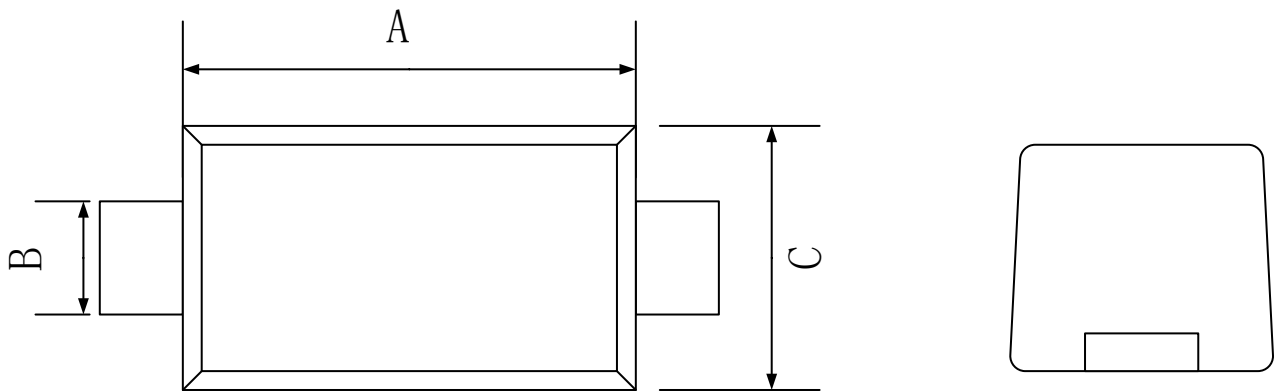


Capacitance Characteristics



Power Derating Curve



**SOD-523 Package Outline Dimensions**


Symbol	Dimensions In Millimeters		
	Min.	Typ.	Max.
A	1.10	1.20	1.30
B	0.25	0.30	0.35
C	0.75	0.80	0.85
D	0.08	0.10	0.15
E	0.45	0.65	0.70
F	0.20 REF		
G	1.50	1.60	1.70

单击下面可查看定价，库存，交付和生命周期等信息

[>>GP\(格瑞宝\)](#)