

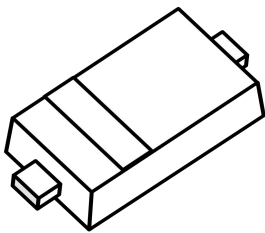


RB521S-30 Schottky Barrier Diode

Feature

- Small surface mounting type
- Low IR
- High reliability

Package:

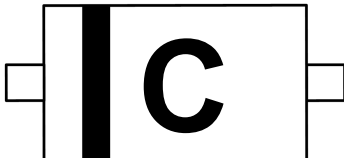


SOD-523

Circuit diagram



Marking





Absolute maximum ratings (Ta=25°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=8.3ms	I_{FSM}	1	A
Power Dissipation	P_D	150	mW
Thermal Resistance from Junction to Ambient	$R_{\theta JA}$	667	°C/W
Junction Temperature	T_J	125	°C
Storage Temperature	T_{STG}	-55 ~ +150	°C

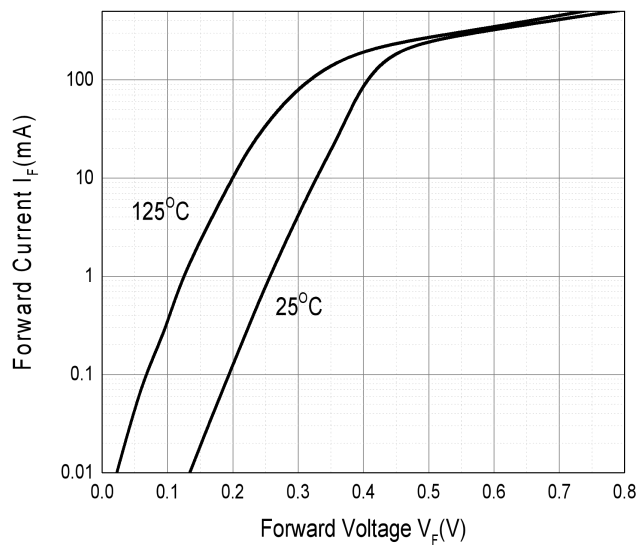
Electrical characteristics (T_A=25 °C, unless otherwise noted)

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

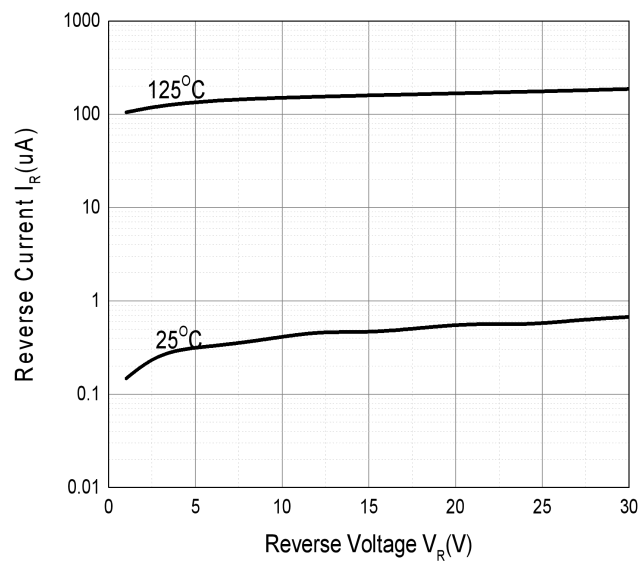


Typical Characteristics

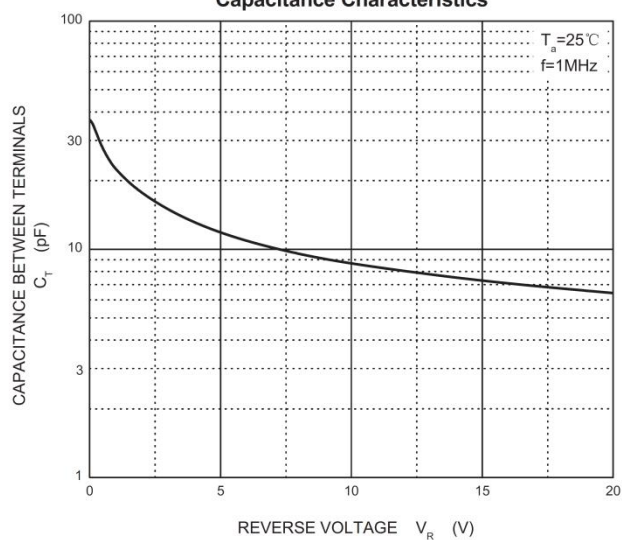
Forward Characteristics



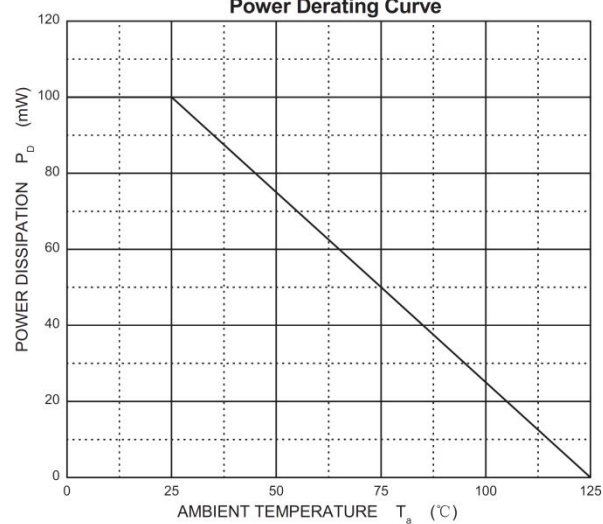
Reverse Characteristics



Capacitance Characteristics

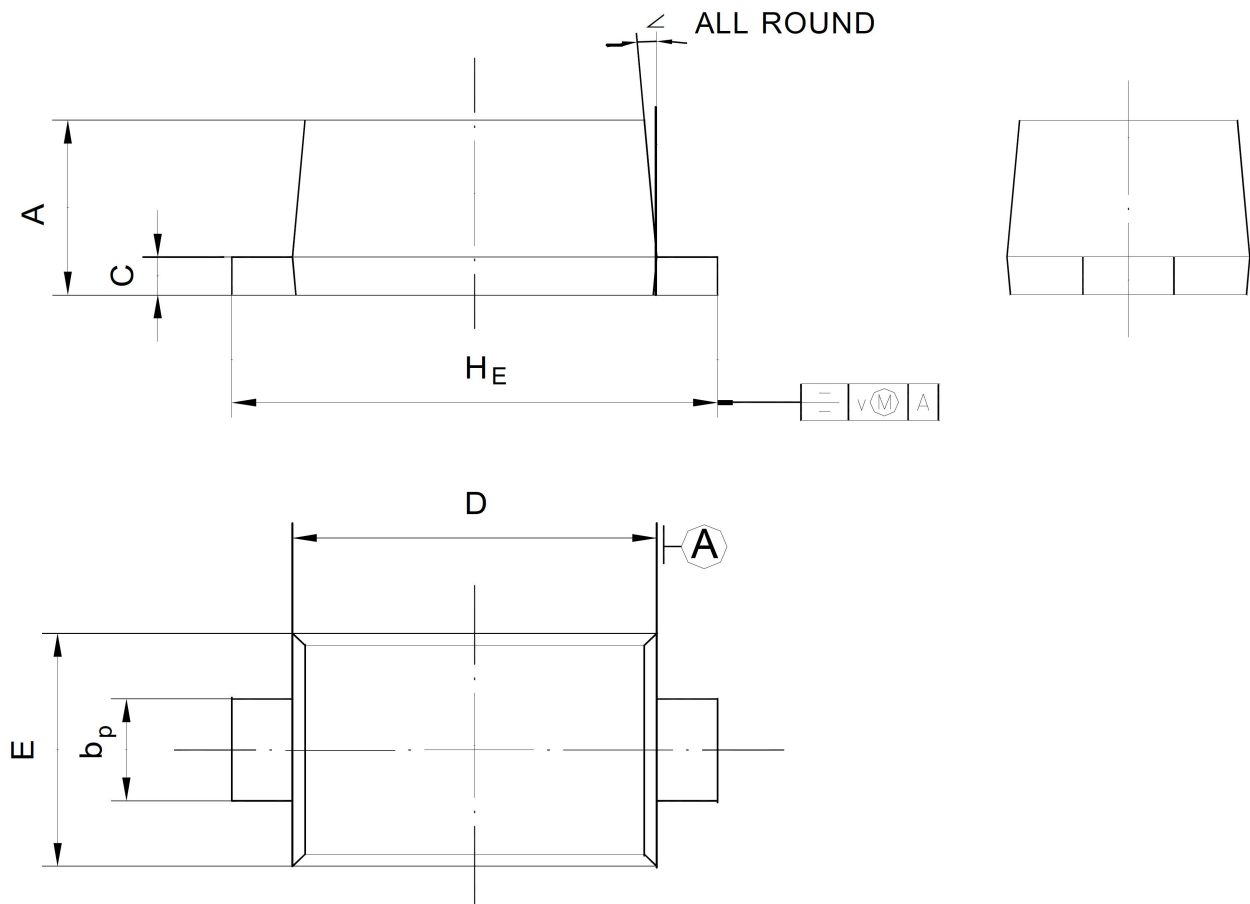


Power Derating Curve





SOD-523 Package Information



Symbol	Dimensions In Millimeters	
	Min.	Max.
A	0.60	0.70
bp	0.30	0.40
C	0.100	0.135
D	1.15	1.25
E	0.75	0.85
H _E	1.5	1.7
V	0.1	
∠	5°	