

RB520CS-30 Schottky Barrier Diode

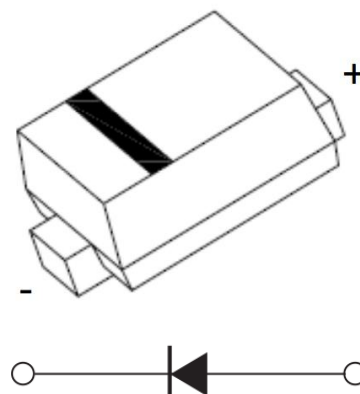
Feature

- Small surface mounting type
- Low IR
- High Reliability

MARKING:



SOD-923



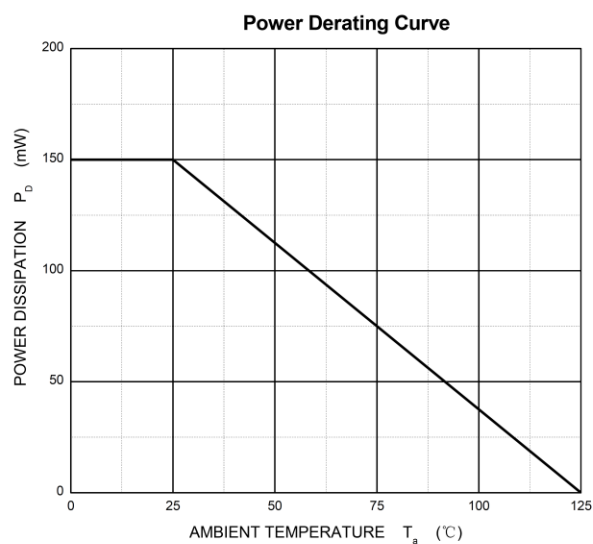
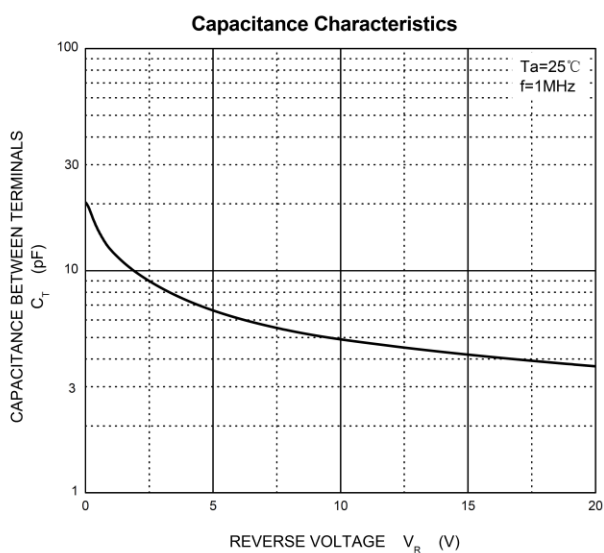
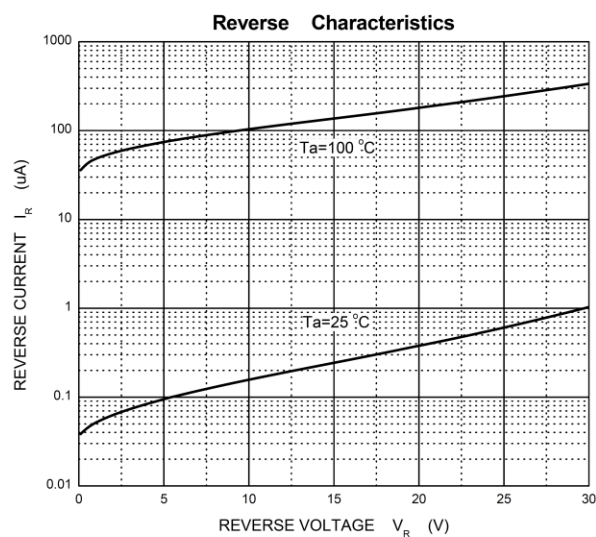
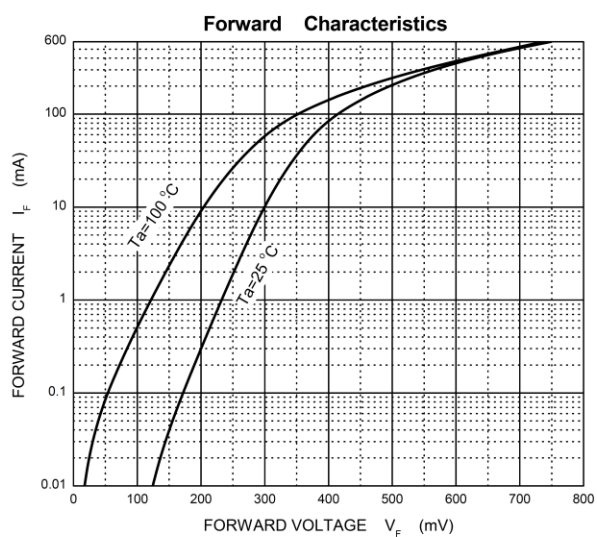
ABSOLUTE MAXIMUM RATINGS ($T_a=25^{\circ}\text{C}$ unless otherwise noted)

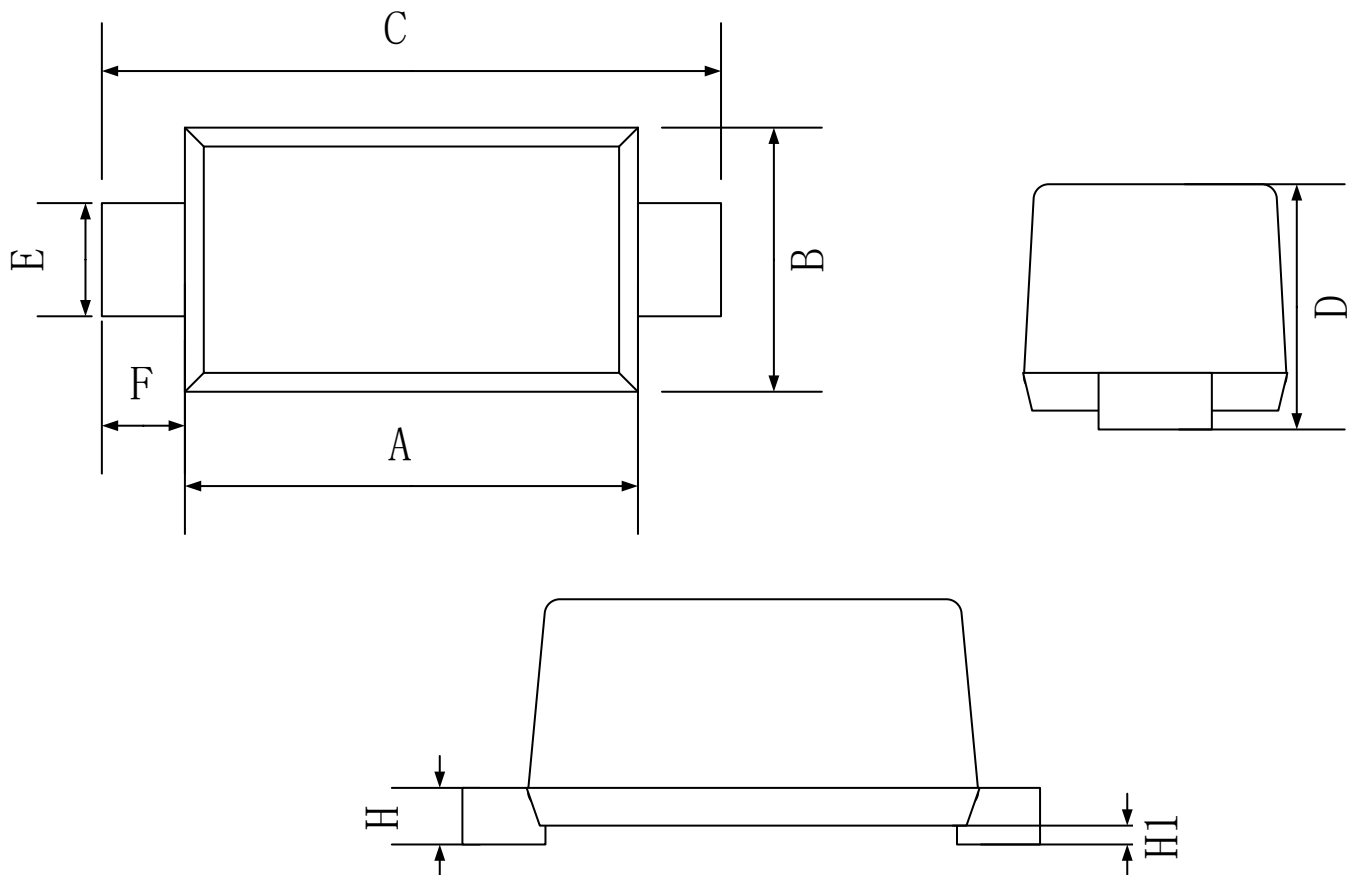
Parameter	Symbol	Value	Unit
DC reverse voltage	V_R	30	V
Mean rectifying current	I_O	0.2	A
Non-repetitive Peak Forward Surge Current @ $t=8.3\text{ms}$	I_{FSM}	1	A
Power Dissipation	P_D	0.15	W
Thermal Resistance from Junction to Ambient	$R_{\theta JA}$	667	$^{\circ}\text{C/W}$
Junction Temperature	T_J	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	$I_F = 10\text{mA}$			0.45	V
		$I_F = 100\text{mA}$			0.60	V
		$I_F = 200\text{mA}$			0.65	V
Reverse current	I_R	$V_R = 10\text{V}$			1	μA

Typical Characteristics



SOD-923 Package Outline Dimensions


	Dimensions In Millimeters		
	Min.	Typ.	Max.
A	0.75	0080	0.85
B	0.55	0.60	0.65
C	0.90	1.00	1.10
D	0.35	0.40	0.43
E	0.15	0.20	0.25
F	0.05	0.10	0.15
H	0.07	0.12	0.17
H1	0.00	-	0.05