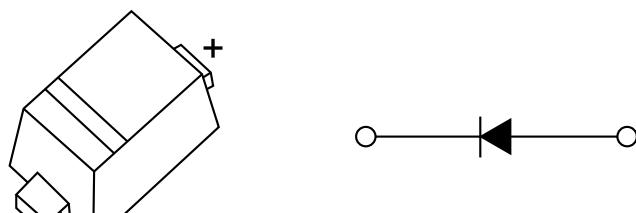


1. Features

- Small surface mounting type
- Low I_R
- High reliability

2. Pinning Information



SOD-523

3. Absolute Maximum Ratings $T_A = 25^\circ\text{C}$

Parameter	Symbol	Rating	Units
DC Reverse Voltage	V_R	30	V
Mean Rectifying Current	I_O	200	mA
Non-repetitive Peak Forward Surge Current @ $t=8.3\text{ms}$	I_{FSS}	1	A
Power Dissipation	P_D	150	mW
Thermal Resistance Junction To Ambient	$R_{\theta JA}$	667	$^\circ\text{C}/\text{W}$
Operating Junction Temperature Range	T_J	-40 to 125	$^\circ\text{C}$
Storage Temperature Range	T_{STG}	-55 to 150	$^\circ\text{C}$

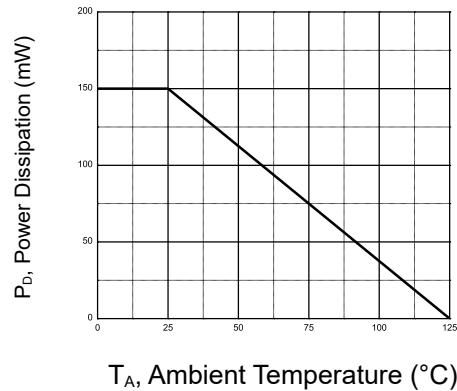
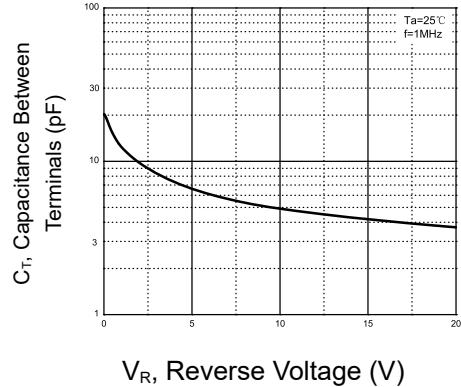
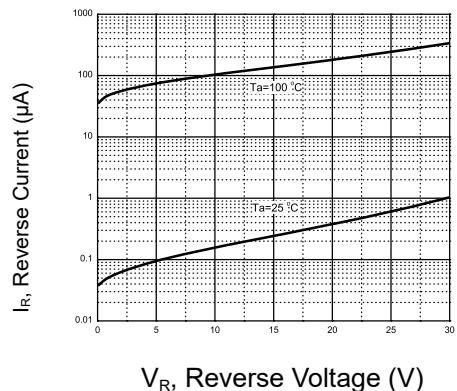
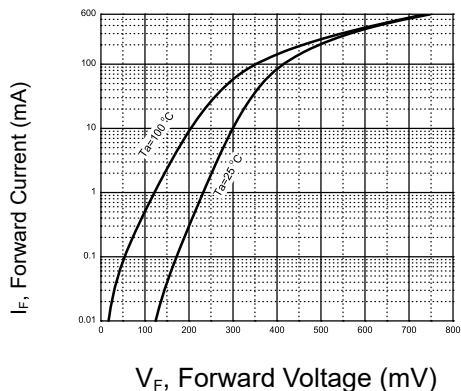


4. Electrical Characteristic ($T_A=25^\circ\text{C}$)

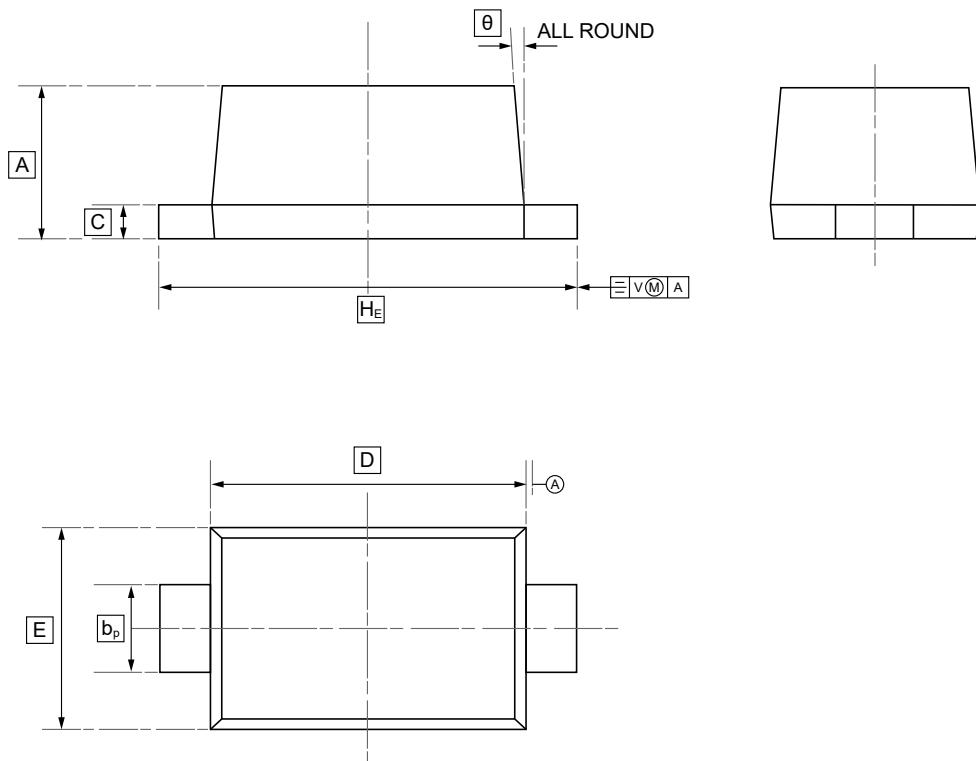
Parameter	Symbol	Conditions	Min	Typ	Max	Units
Forward Voltage	V_F	$I_F=200\text{mA}$			0.6	V
Reverse Current	I_R	$V_R=10\text{V}$			1	μA



5. Typical Characteristic



6.SOD-523 Package Outline Dimensions



DIMENSIONS (mm are the original dimensions)

Symbol	A	b_p	C	D	E	H_E	θ
Min	0.58	0.3	0.100	1.15	0.75	1.5	5°
Max	0.68	0.4	0.135	1.25	0.85	1.7	



7.Ordering Information



Order Code	Package	Base QTY	Delivery Mode
UMW RB520S-30	SOD-523	3000	Tape and reel



8.Disclaimer

UMW reserves the right to make changes to all products, specifications. Customers should obtain the latest version of product documentation and verify the completeness and currency of the information before placing an order.

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