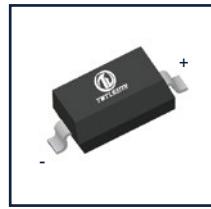


## Features

- Small Current Rectification
- Low Voltage



SOD-123

Equivalent Circuit

## Absolute Maximum Ratings( $T_A=25^\circ\text{C}$ )

Symbol	Parameter	Value	Unit
$V_R$	DC Blocking Voltage	30	V
$I_o$	Average Rectified Output Current	1	A
$I_{FSM}$	Non-repetitive Peak Forward Surge Current@8.3mS	15	
$P_D$	Power Dissipation	450	mW
$R_{\theta JA}$	Thermal Resistance From Junction To Ambient	222	$^\circ\text{C}/\text{W}$
$T_J$	Operating Junction Temperature Range	-40 ~ +125	$^\circ\text{C}$
$T_{stg}$	Storage Temperature Range	-55 ~ +150	$^\circ\text{C}$

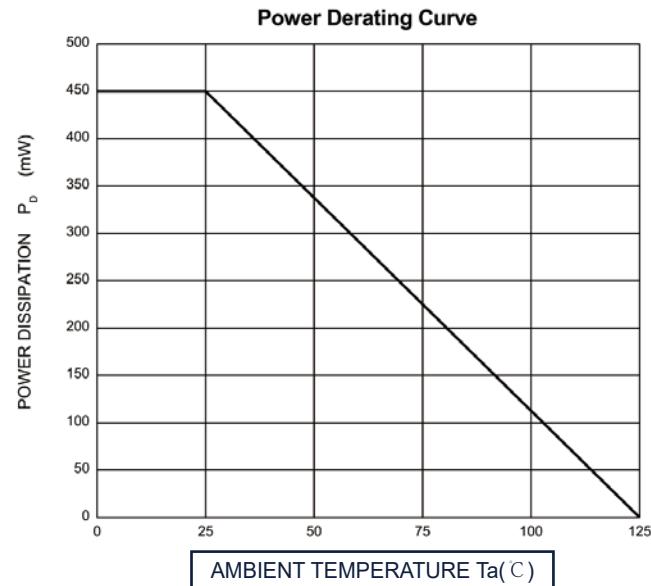
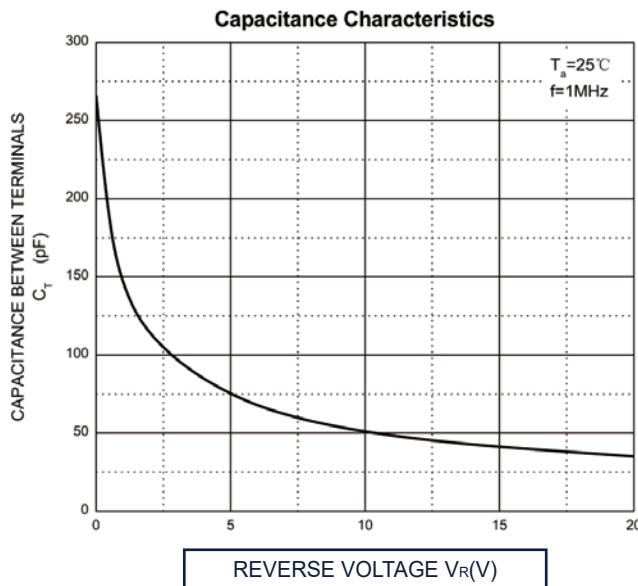
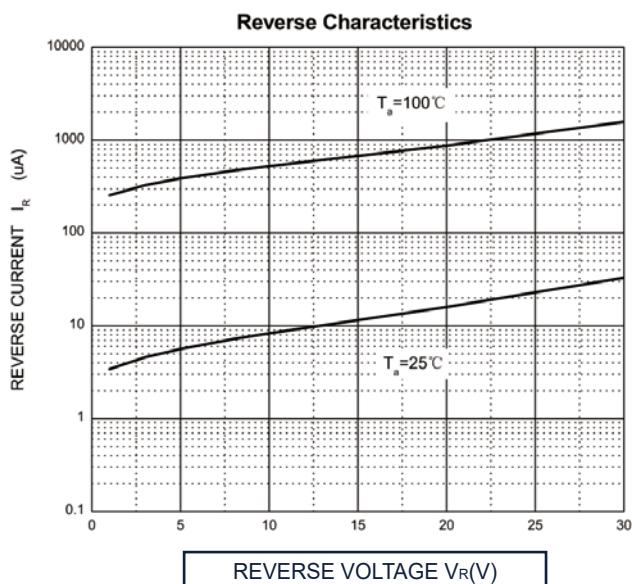
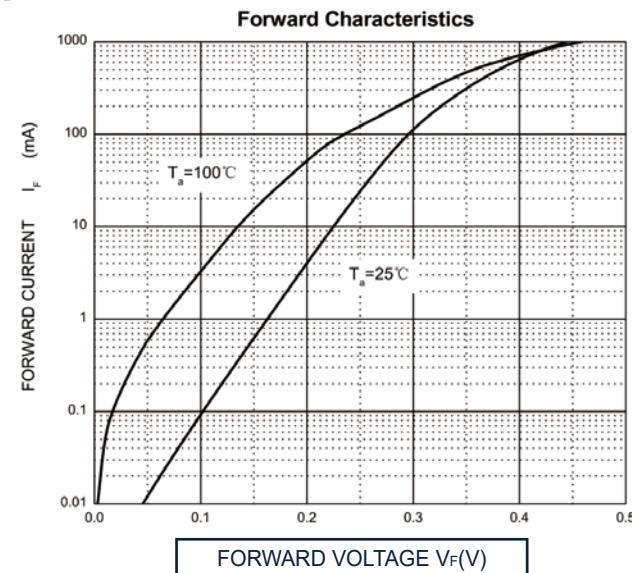
## Electrical Characteristics ( $T_A=25^\circ\text{C}$ unless otherwise specified)

Symbol	Parameter	Test conditions	Min	Typ	Max	Unit
$I_R$	Reverse current	$V_R=15\text{V}$			20	$\mu\text{A}$
		$V_R=30\text{V}$			50	
$V_{F(1)}$	Reverse current	$I_F=500\text{mA}$			0.46	V
		$I_F=1000\text{mA}$			0.48	

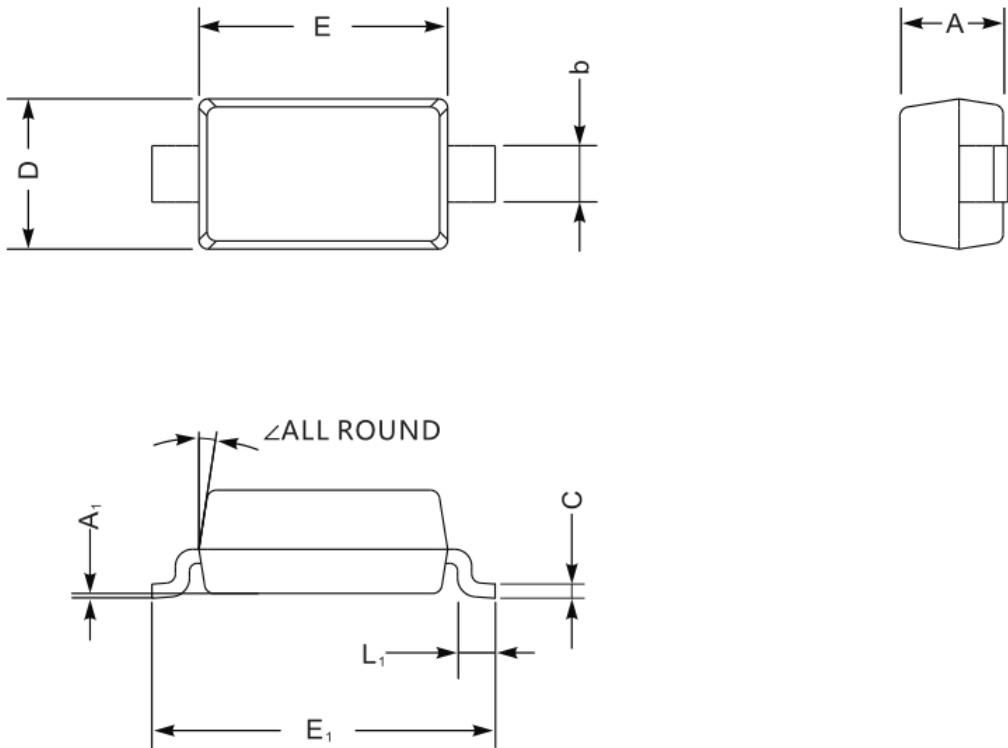
## Ordering information

Product ID	Pack	Naming rule	Marking	Qty(PCS)
RB160M-30	SOD-123	<div style="border: 1px solid black; padding: 2px; text-align: center;">           RB160M-30            —————            产品名称            product name         </div>	73	3000

## Typical Characteristics



## SOD-123 Package Outline Dimensions



Symbol	mm		mil	
	min	max	min	max
A	0.9	1.3	35	51
C	0.09	0.22	3.5	8.7
D	1.5	1.8	59	71
E	2.5	2.8	98	110
E <sub>1</sub>	3.6	3.9	142	154
L <sub>1</sub>	0.25	0.45	10	18
b	0.5	0.7	20	28
A <sub>1</sub>		0.2		8
∠	9°			