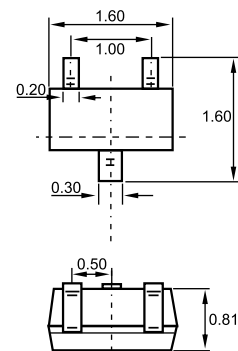

**SOT-523**


### Features

- ✧ Ultra small mold type.
- ✧ Low  $I_R$ .
- ✧ High reliability.

### Applications

- ✧ Low current rectification.

Dimensions in inches and (millimeters)

### Ordering Information

Type No.	Marking	Package Code
RB548W	3V	SOT-523

### MAXIMUM RATING @ $T_a=25^\circ\text{C}$ unless otherwise specified

Symbol	Parameter	Value	Units
$V_R$	DC reverse voltage	30	V
$I_O$	Average rectified current	100	mA
$I_{FSM}$	Forward current surge peak(60Hz.1cyc)	500	mA
$P_d$	Power dissipation	150	mW
$T_j, T_{stg}$	Junction and Storage Temperature	-40~125	$^\circ\text{C}$

### ELECTRICAL CHARACTERISTICS @ $T_a=25^\circ\text{C}$ unless otherwise specified

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Leakage current	$I_R$	$V_R=10\text{V}$		0.5	$\mu\text{A}$
Forward voltage	$V_F$	$I_F=10\text{mA}$		0.45	V

### TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

