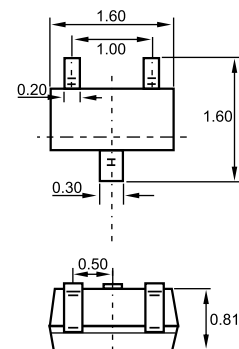

**SOT-523**

**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 @ Ta=25°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	°C

**ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified**

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

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

