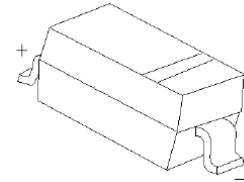




## SOD-123 Plastic-Encapsulate Diodes

### RB160M-90 SCHOTTKY BARRIER DIODE

SOD-123



#### FEATURES

- Small Power Mold Type
- Low Reverse Current
- High Reliability

#### APPLICATIONS:

- General Rectification

#### MARKING: 83

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

Symbol	Parameter	Value	Unit
$V_{RM}$	Non-Repetitive Peak Reverse Voltage	90	V
$I_o$	Average Rectified Output Current	1	A
$I_{FSM}$	Non-repetitive Peak Forward Surge Current @ $t<8.3\text{ms}$	30	
$P_D$	Power Dissipation	250	mW
$R_{\theta JA}$	Thermal Resistance from Junction to Ambient	400	$^\circ\text{C}/\text{W}$
$T_j$	Junction Temperature	125	$^\circ\text{C}$
$T_{stg}$	Storage Temperature	-55~+150	$^\circ\text{C}$

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

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse current	$I_R$	$V_R=90\text{V}$			100	$\mu\text{A}$
Reverse breakdown voltage	$V_{(BR)}$	$I_R=0.1\text{mA}$	90			V
Forward voltage	$V_F$	$I_F=1\text{A}$			0.73	