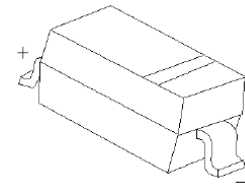


## SOD-123 Plastic-Encapsulate Diodes

### RB160M-30 SCHOTTKY BARRIER DIODE

SOD-123



#### FEATURES

- Small Current Rectification
- Low Voltage

MARKING: 73

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

Symbol	Parameter	Value	Unit
$V_R$	DC Blocking Voltage	30	V
$I_O$	Forward Current	1	A
$I_{FSM}$	Non-repetitive Peak Forward Surge Current @ $t<8.3\text{ms}$	30	
$P_D$	Power Dissipation	450	mW
$R_{\theta JA}$	Thermal Resistance from Junction to Ambient	222	$^\circ\text{C/W}$
$T_j$	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	$I_R$	$V_R=15\text{V}$			20	$\mu\text{A}$
		$V_R=30\text{V}$			50	$\mu\text{A}$
Forward voltage	$V_{F(1)}$	$I_F=500\text{mA}$			0.46	V
	$V_{F(2)}^*$	$I_F=1000\text{mA}$			0.48	

\* Pulse test