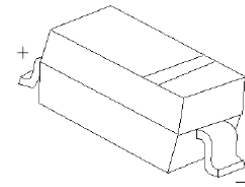


SOD-123 Plastic-Encapsulate Diodes

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	μA
		$V_R=30\text{V}$			50	μA
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