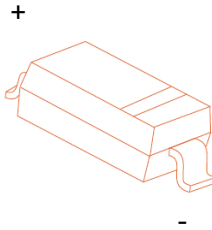


## SOD-123 Plastic-Encapsulate Diodes

### RB160M-40 Schottky Barrier Diodes

SOD-123



#### FEATURES

- Small surface mounting type
- Low forward voltage
- High reliability

MARKING: 74

#### Maximum Ratings and Electrical Characteristics, Single Diode @T<sub>A</sub>=25°C

Parameter	Symbol	Limits	Unit
DC reverse voltage	V <sub>R</sub>	40	V
Mean rectifying current	I <sub>O</sub>	1	A
Peak forward surge current	I <sub>FSM</sub>	30	A
Power Dissipation	D <sub>B</sub>	1 W	mW
Thermal Resistance Junction to Ambient	R <sub>θJA</sub>	200	°C/W
Junction temperature	T <sub>j</sub>	150	°C
Storage temperature	T <sub>stg</sub>	-40-150	°C

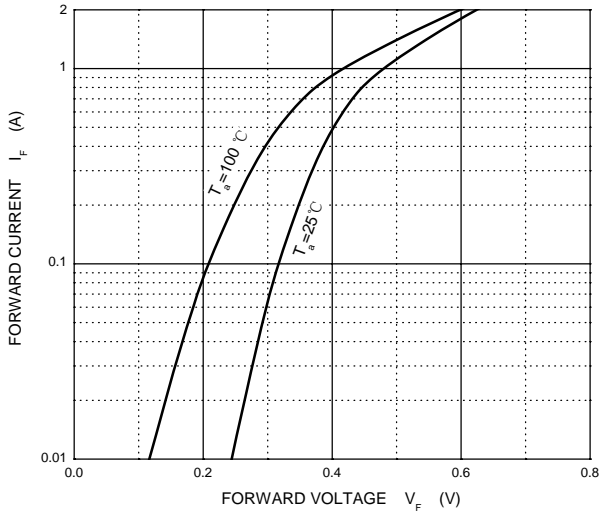
#### Electrical Ratings @T<sub>A</sub>=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub>			0.51	V	I <sub>F</sub> =1A
Reverse current	I <sub>R</sub>			30	A	V <sub>R</sub> =40V

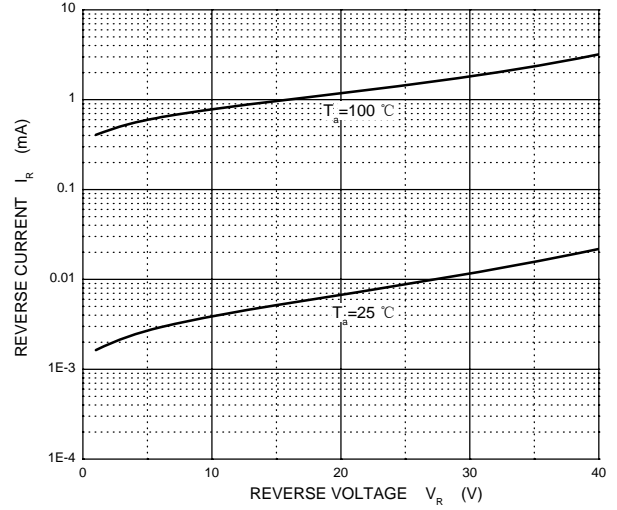


# RB160M-40

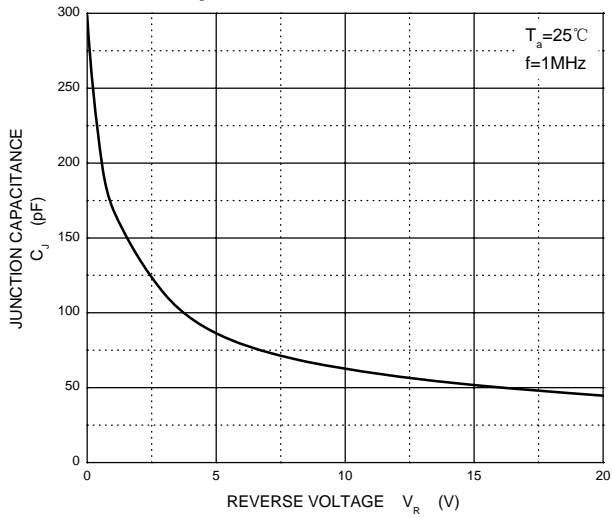
**Forward Characteristics**



**Reverse Characteristics**



**Capacitance Characteristics**



**Power Derating Curve**

