



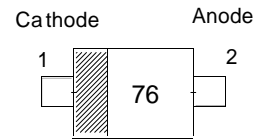
### RB160M-60 Plastic-Encapsulate Diodes

Schottky Barrier Diode



#### FEATURES

- Small Power Mold Type
- Low  $I_R$
- High Reliability



SOD-323

MARKING: 76

#### Maximum Ratings @ $T_a=25^\circ\text{C}$

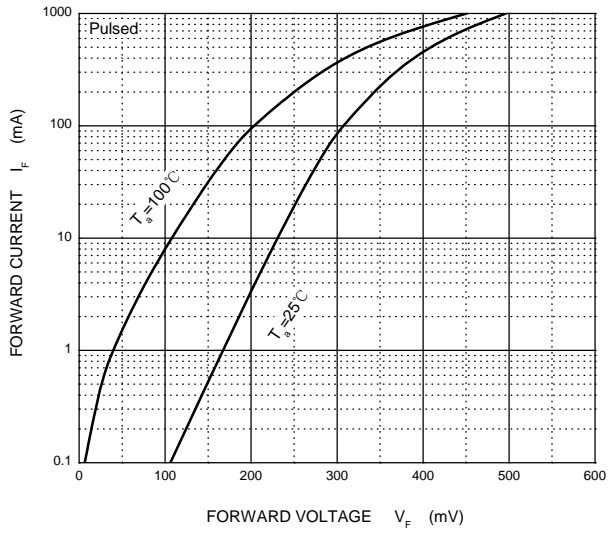
Parameter	Symbol	Limit	Unit
DC reverse voltage	$V_R$	60	V
Mean rectifying current	$I_O$	1	A
Peak forward surge current 4 ms, 100 pulses	$I_{FSM}$	10	A
Power dissipation	$D_8$	350	mW
Thermal Resistance Junction to Ambient	$\theta_{JA}$	286	$^\circ\text{C/W}$
Junction temperature	$T_j$	150	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-55~+150	$^\circ\text{C}$

#### Electrical characteristics @ $T_a=25^\circ\text{C}$

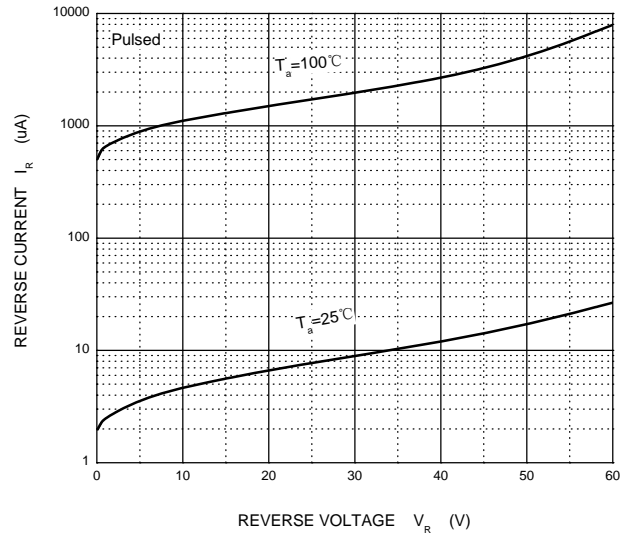
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$			0.7	0	V $I_F=1\text{A}$
Reverse current	$I_R$			30	$\mu\text{A}$	$V_R=60\text{V}$



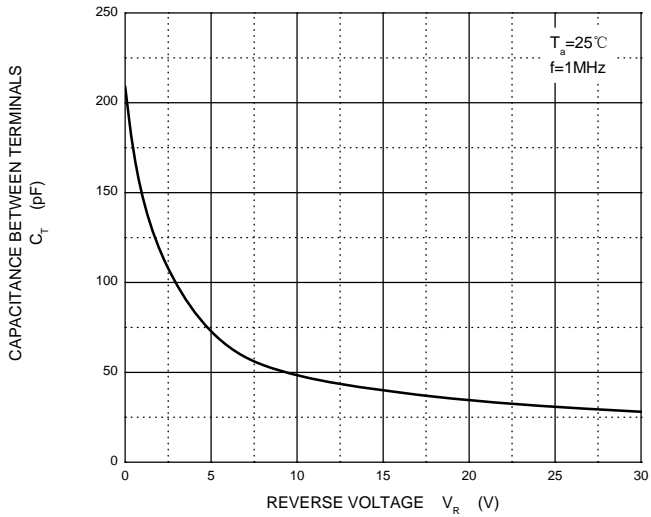
### Forward Characteristics



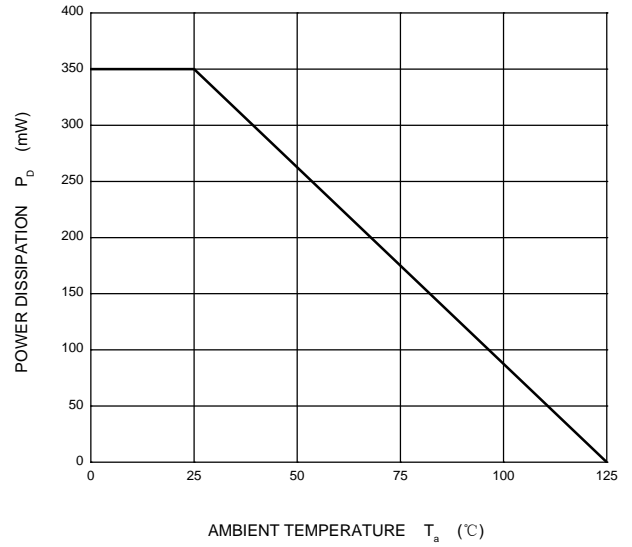
### Reverse Characteristics



### Capacitance Characteristics



### Power Derating Curve





## PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

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