



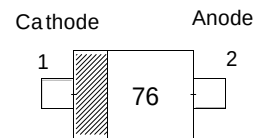
RB160M-60 Plastic-Encapsulate Diodes



Schottky Barrier Diode

FEATURES

- Small Power Mold Type
- Low I_R
- High Reliability



SOD-323

MARKING: 76

Maximum Ratings @Ta=25°C

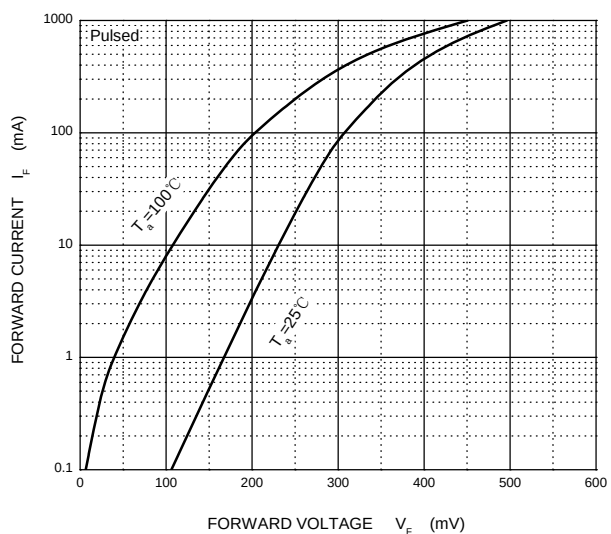
Parameter	Symbol	Limit	Unit
DC reverse voltage	V_R	60	V
Mean rectifying current	I_O	1	A
Peak forward surge current @t=8.3ms	I_{FSM}	15	A
Power dissipation	P_D	350	mW
Thermal Resistance Junction to Ambient	R_{dJA}	286	°C/W
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55~+150	°C

Electrical characteristics @Ta=25°C

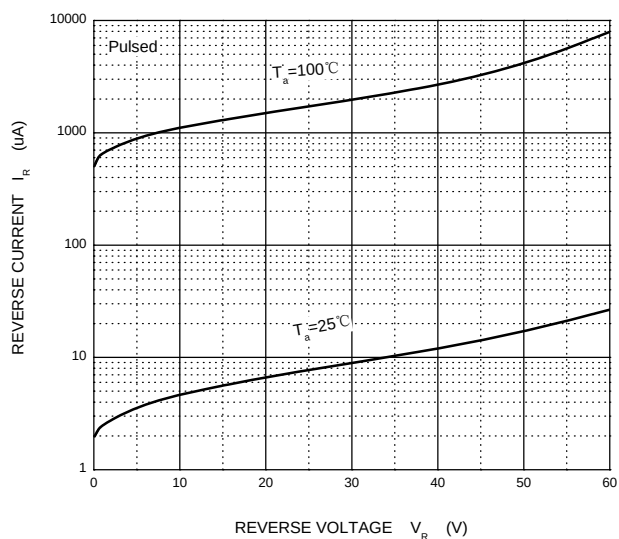
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F			0.7	0	V $I_F=1A$
Reverse current	I_R			30	μA	$V_R=60V$



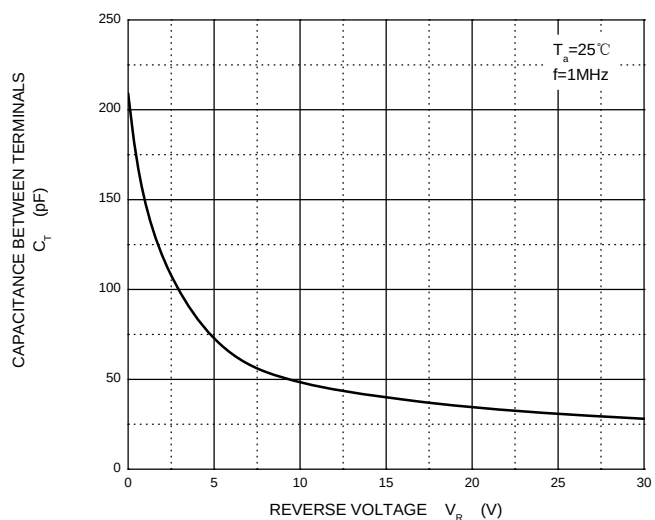
Forward Characteristics



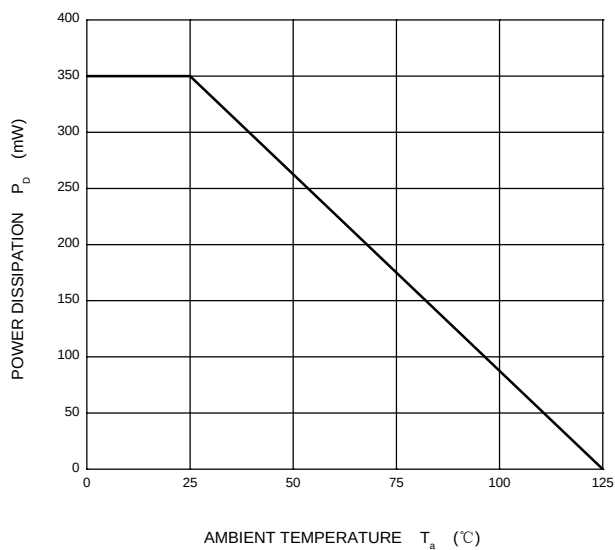
Reverse Characteristics



Capacitance Characteristics



Power Derating Curve

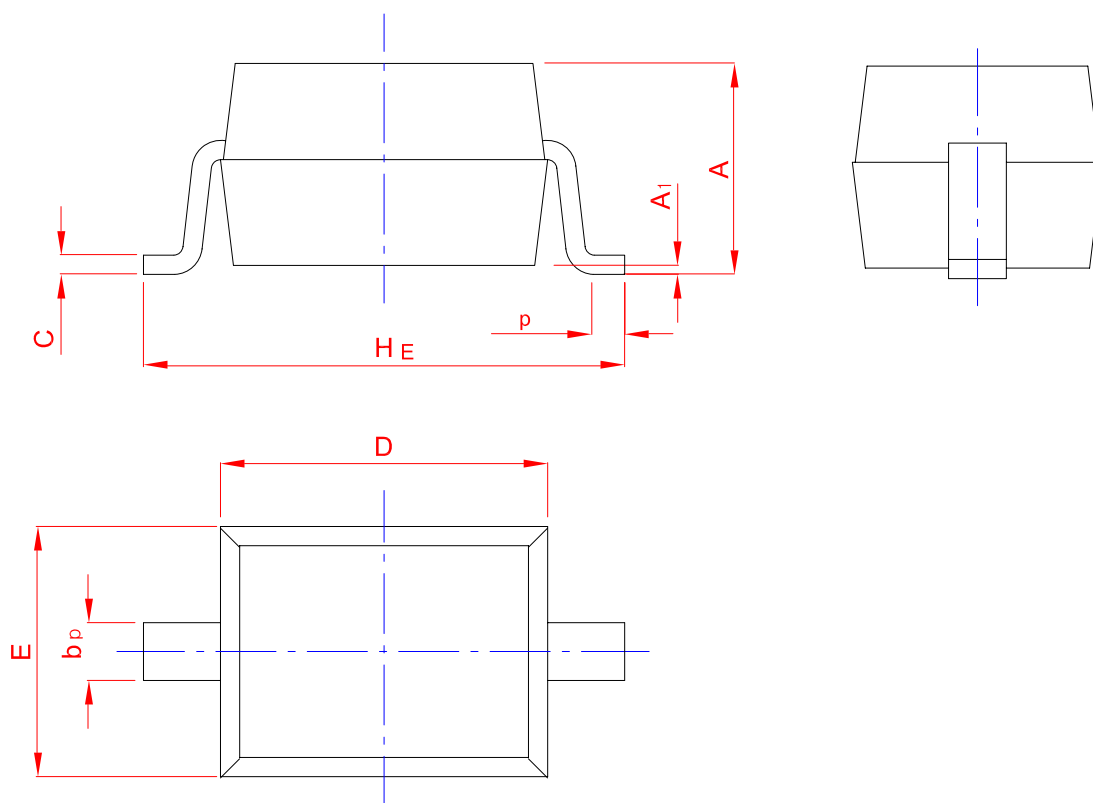
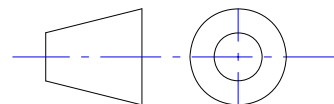




PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-323



UNIT	A	b _p	C	D	E	H _E	A ₁	L _p
mm	1.00 0.80	0.40 0.25	0.15 0.10	1.80 1.60	1.35 1.15	2.80 2.30	0.10 0.01	0.50 0.20