



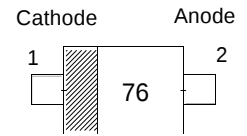
RB160M-60 Plastic-Encapsulate Diodes



Schottky Barrier Diode

FEATURES

- Small Power Mold Type
- Low I_R
- High Reliability



SOD-123

MARKING: 76

Maximum Ratings @Ta=25°C

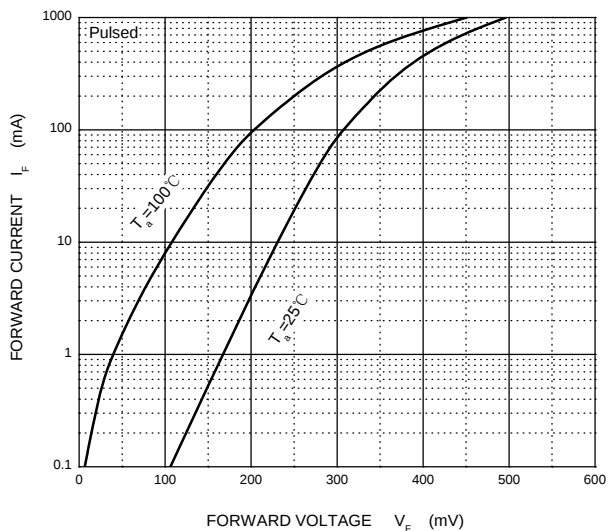
Parameter	Symbol	Limit	Unit
DC reverse voltage	V_R	60	V
Mean rectifying current	I_O	1	A
Peak forward surge current @t=8.3ms	I_{FSM}	15	A
Power dissipation	P_D	350	mW
Thermal Resistance Junction to Ambient	R_{JA}	286	°C/W
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55~+150	°C

Electrical characteristics @Ta=25°C

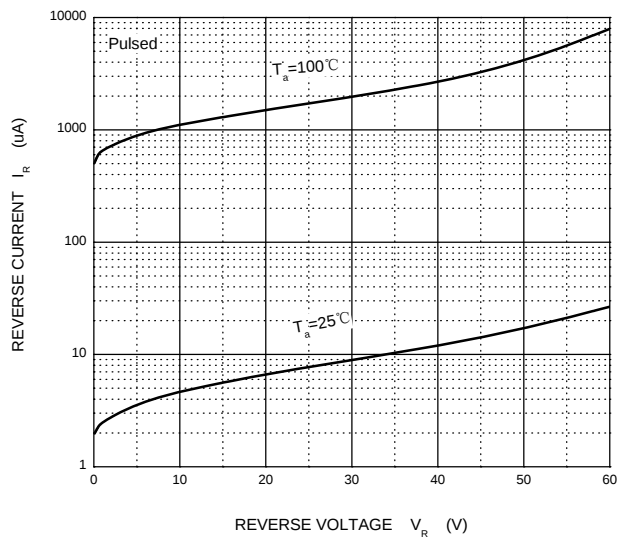
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F			0.7	0	V IF=1A
Reverse current	I_R			30	μA	$V_R=60V$



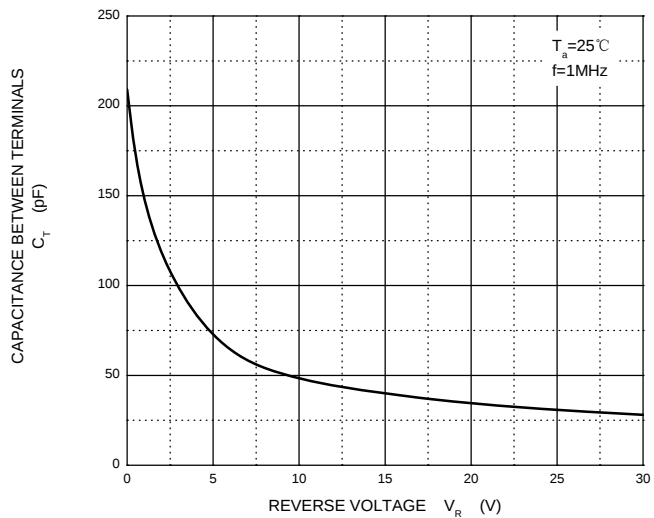
Forward Characteristics



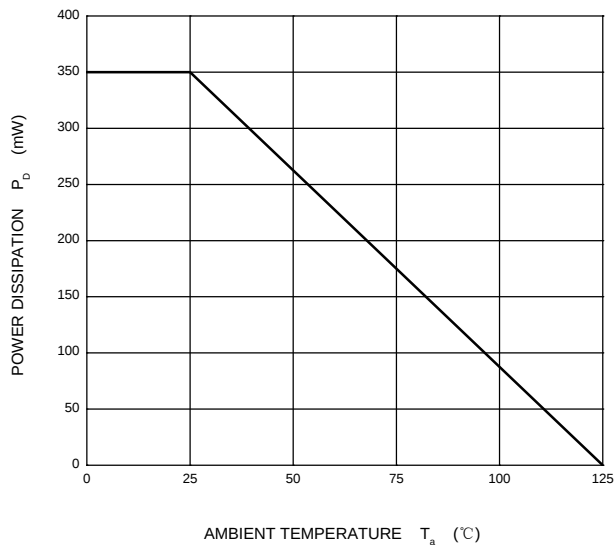
Reverse Characteristics



Capacitance Characteristics



Power Derating Curve

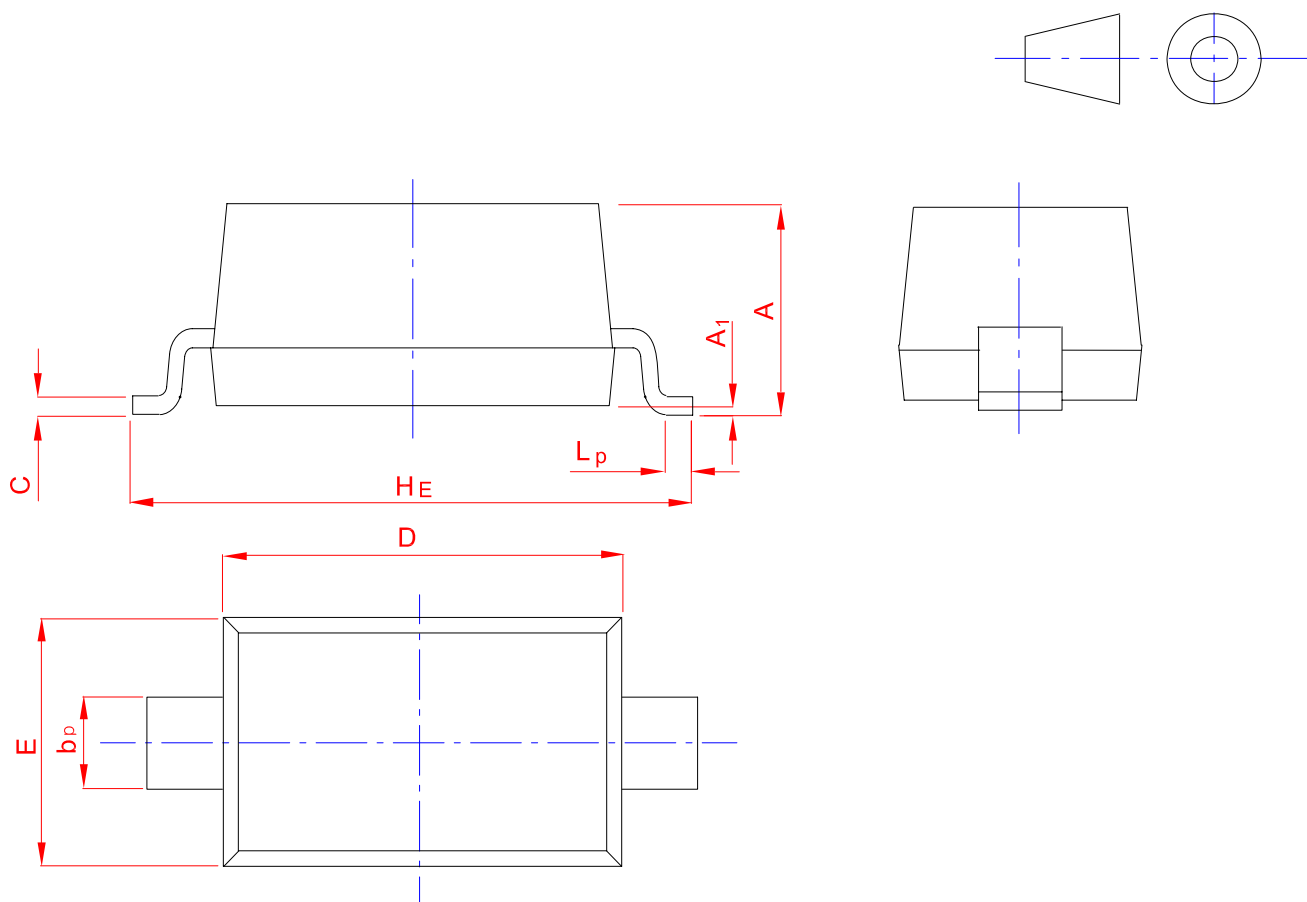




PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-123



UNIT	A	bp	C	D	E	HE	A1	Lp
mm	1.20 0.90	0.60 0.50	0.135 0.100	2.75 2.55	1.65 1.55	3.85 3.55	0.10 0.01	0.50 0.20