

SOD-123 Plastic-Encapsulate Diodes

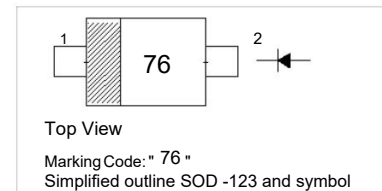
RB160M-60 Schottky Barrier Diode

FEATURES

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

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



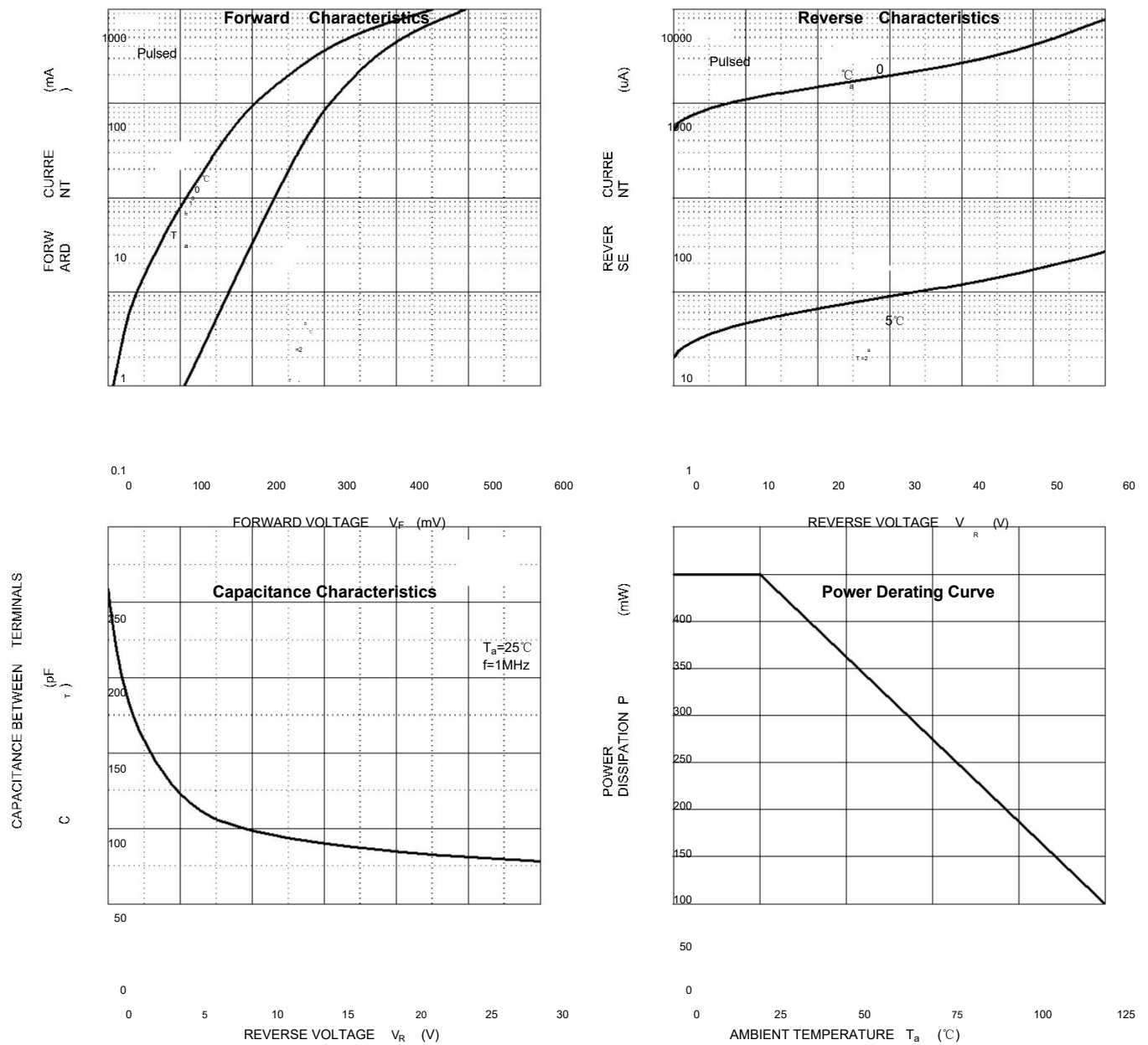
Maximum Ratings @Ta=25°C

Parameter	Symbol	Limit	Unit
DC reverse voltage	V_R	60	V
Mean rectifying current	I_o	1	A
Peak forward surge current #W PV	I_{FSM}		A
Power dissipation	P	350	mW
Thermal Resistance Junction to Ambient	θ_{JA}	286	°C/W
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-55~+150	°C

Electrical characteristics @Ta=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F			0.58	V	$I_F=1A$
Reverse current	I_R			30	μA	$V_R=60V$

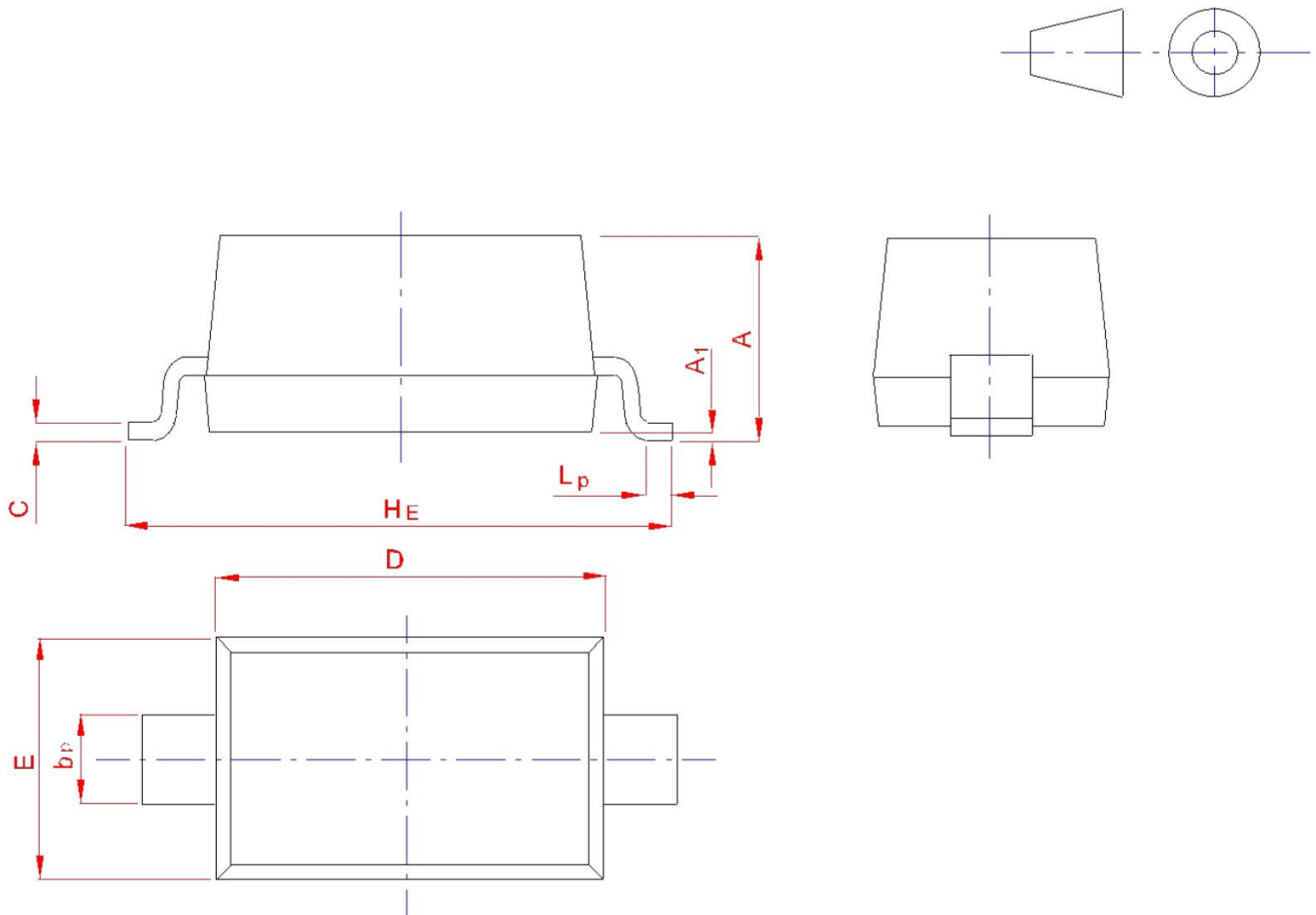
Typical Characteristics



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