

# SB160W-60-HAF

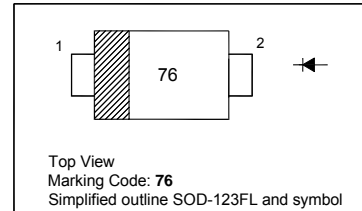
## Surface Mount Schottky Barrier Rectifiers

### Features

- Halogen and Antimony Free(HAF), RoHS compliant

### PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



### Absolute Maximum Ratings ( $T_a = 25^\circ\text{C}$ )

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	$V_{RM}$	60	V
Reverse Voltage	$V_R$	60	V
Average Forward Rectified Current	$I_{F(AV)}$	1	A
Non-Repetitive Peak Forward Surge Current (8.3 ms)	$I_{FSM}$	30	A
Junction Temperature	$T_j$	150	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	- 40 to + 150	$^\circ\text{C}$

### Characteristics at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage at $I_F = 1\text{ A}$	$V_F$	-	-	0.55	V
Reverse Current at $V_R = 60\text{ V}$	$I_R$	-	-	50	$\mu\text{A}$
Total Capacitance at $V_R = 10\text{ V}$ , $f = 1\text{ MHz}$	$C_{tot}$	-	40	-	pF

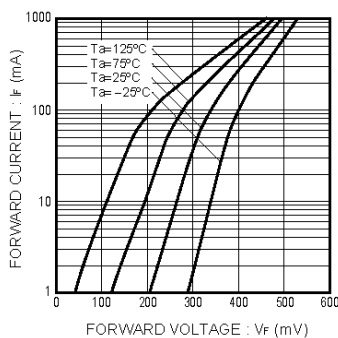


Fig.1 Forward Temperature Characteristics

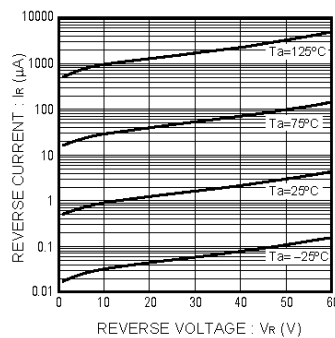


Fig.2 Reverse Temperature Characteristics

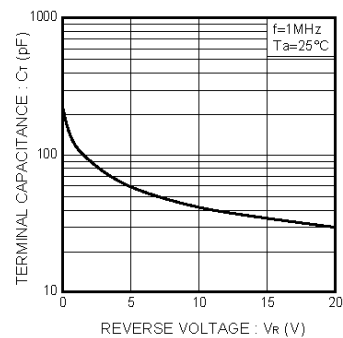


Fig.3 Capacitance Between Terminals Characteristics

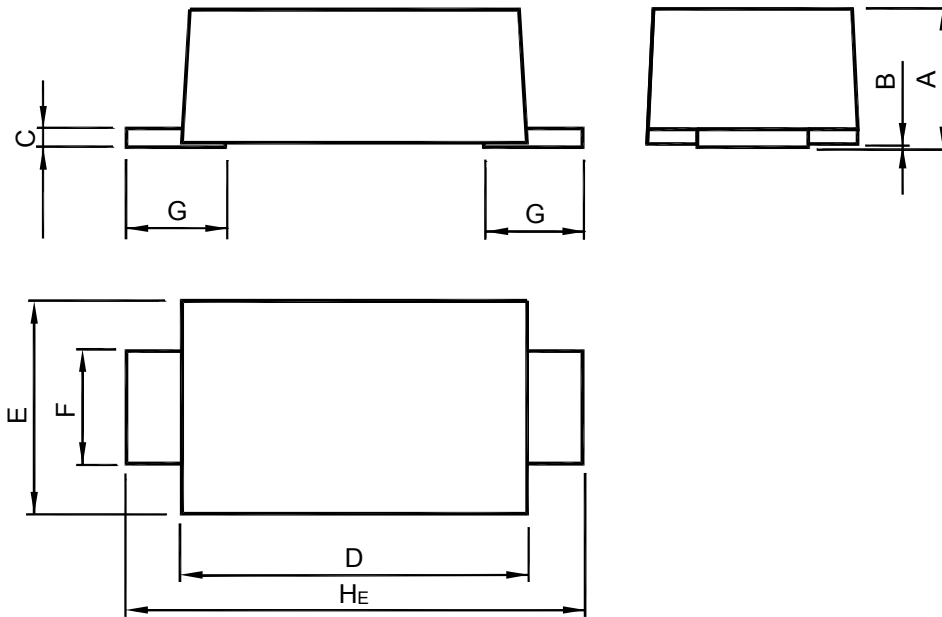
**TOP DYNAMIC**

# SB160W-60-HAF

## PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-123FL



UNIT	A	B	C	D	E	F	G	H <sub>E</sub>
mm	1.08	0.1	0.2	2.9	1.9	1.1	0.9	3.9
	0.88	0	0.1	2.6	1.7	0.8	0.7	3.5

## Recommended Soldering Footprint

