

SB060W-30-AH

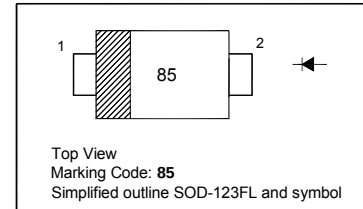
Surface Mount Schottky Barrier Rectifiers

Features

- AEC-Q101 Qualified and PPAP Capable
- Halogen and Antimony Free(HAF), RoHS compliant

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



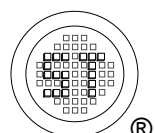
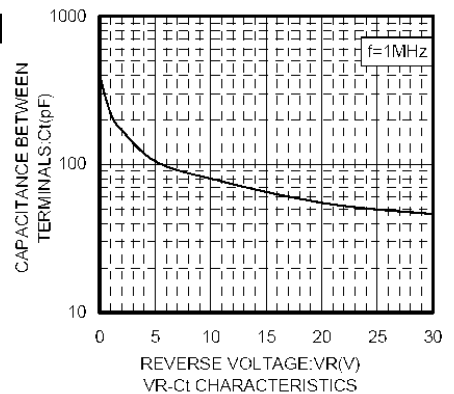
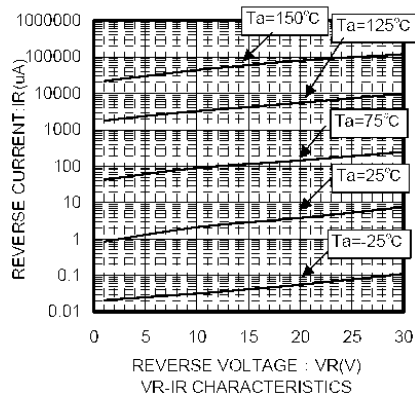
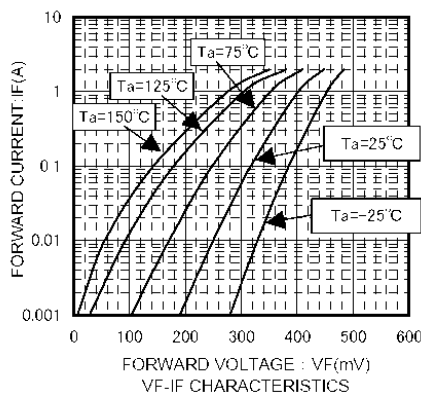
Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RM}	30	V
Reverse Voltage	V_R	30	V
Average Forward Rectified Current	$I_{F(AV)}$	2	A
Non-Repetitive Peak Forward Surge Current (8.3 ms)	I_{FSM}	55	A
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 55 to + 150	$^\circ\text{C}$

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

Parameter	Symbol	Min.	Max.	Unit
Forward Voltage at $I_F = 1\text{ A}$ at $I_F = 2\text{ A}$	V_F	0.32 0.36	0.45 0.49	V
Reverse Current at $V_R = 30\text{ V}$	I_R	-	50	μA
ESD Break Down Voltage ¹⁾ at $C = 200\text{ pF}, R = 0\ \Omega$	ESD	7	-	KV

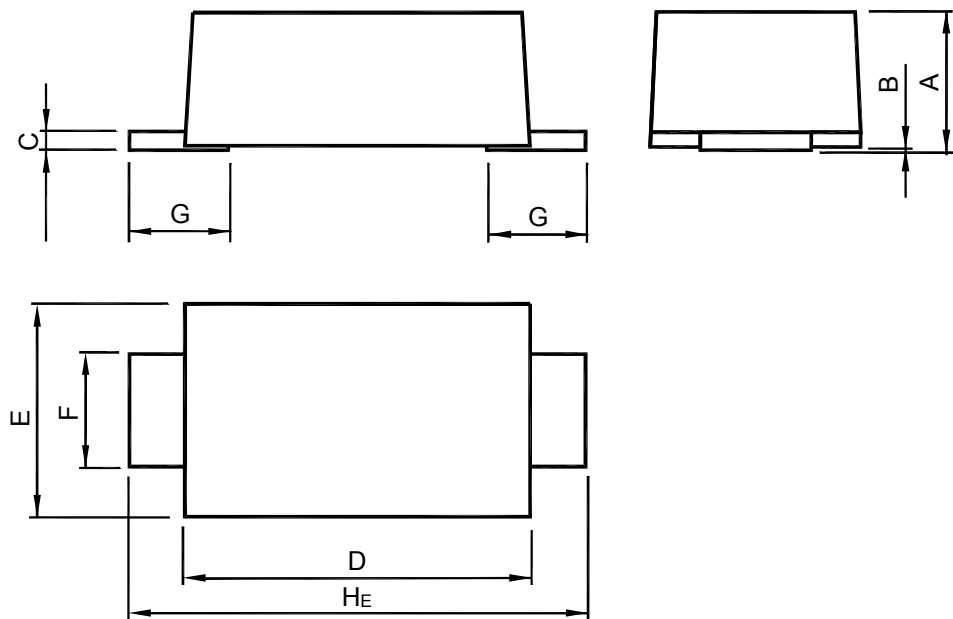
¹⁾ Forward and Reverse: 1 time



PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-123FL



UNIT	A	B	C	D	E	F	G	H _E
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

