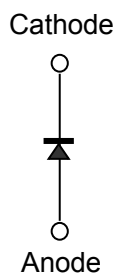


Schottky Barrier Diode

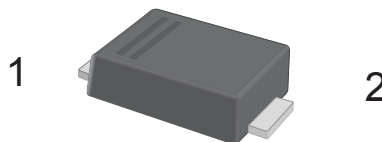
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■ Features

- Small power mold type.
- Low I_R
- High reliability



SOD-123FL



Top View

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode

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

Parameter	Symbol	Rating	Unit
Reverse voltage	V_{RM}	40	V
reverse voltage	V_R	40	V
Forward current surge peak	I_o	1	A
Average rectified forward current	I_{FSM}	30	A
operating junction temperature	T_j	150	$^\circ\text{C}$
storage temperature	T_{stg}	- 40 to +150	$^\circ\text{C}$

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

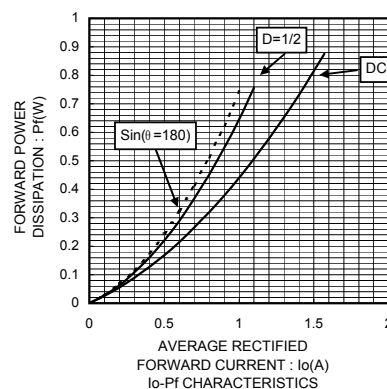
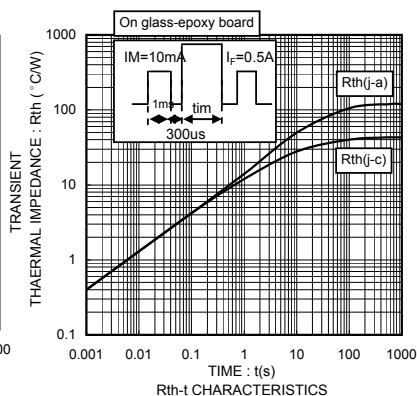
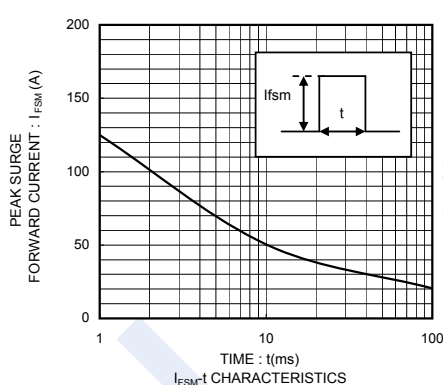
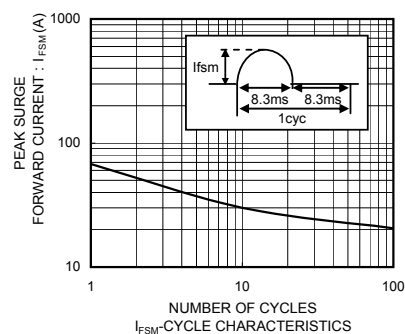
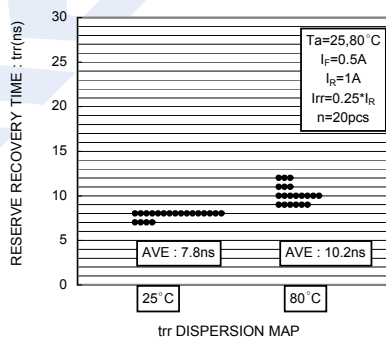
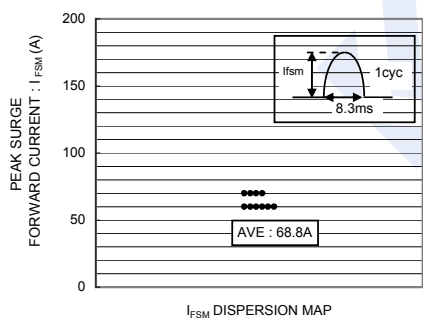
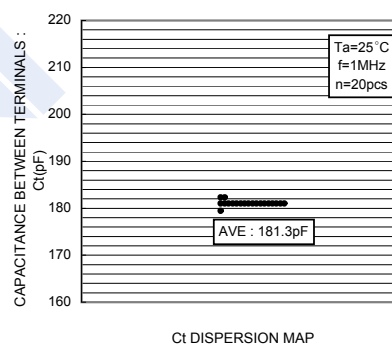
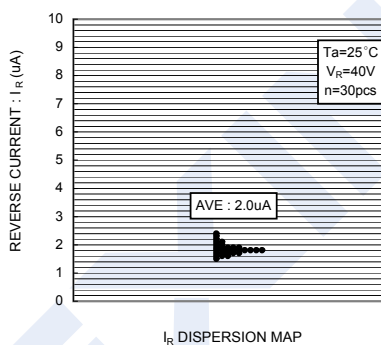
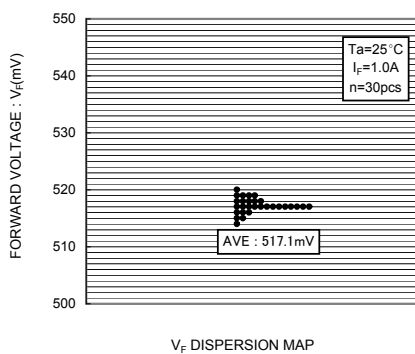
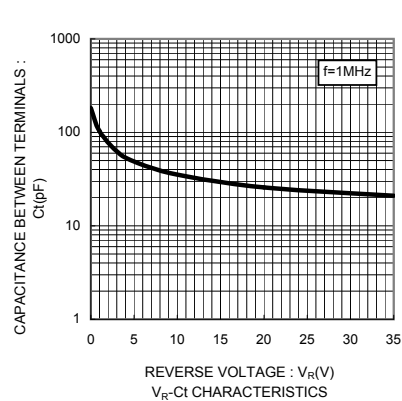
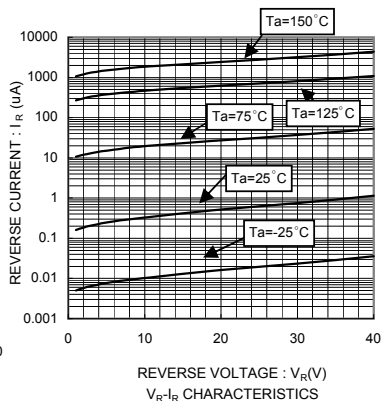
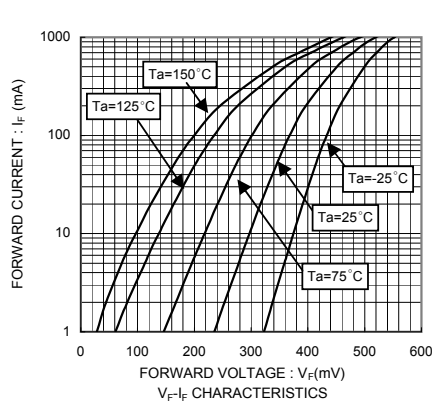
Parameter	Symbol	Testconditons	Min	Typ	Max	Unit
Forward voltage	V_F	$I_F=1.0\text{A}$			0.55	V
Reverse current	I_R	$V_R=40\text{V}$			100	μA

■ Marking

Marking	34
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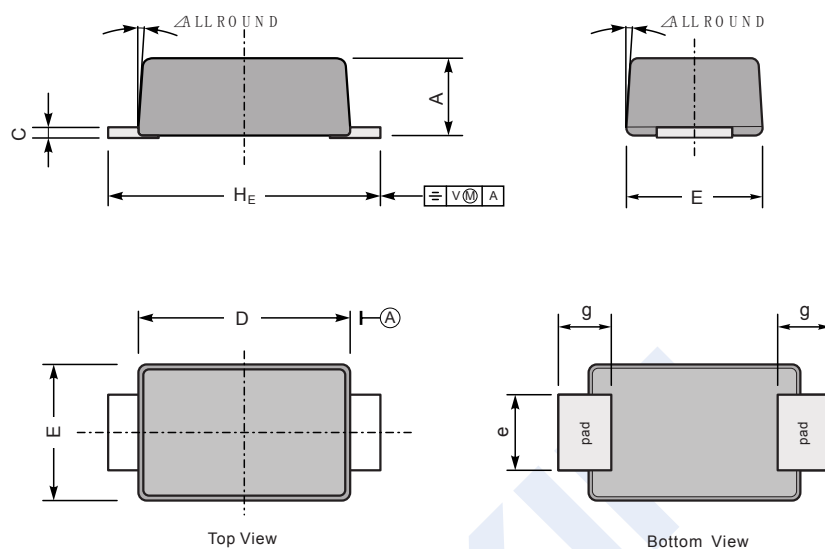
■ Typical Characteristics



PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-123FL



UNIT		A	C	D	E	e	g	H _E	∠
mm	max	1.1	0.20	2.9	1.9	1.1	0.9	3.8	7°
	min	0.9	0.12	2.6	1.7	0.8	0.7	3.5	
mil	max	43	7.9	114	75	43	35	150	
	min	35	4.7	102	67	31	28	138	

The recommended mounting pad size

