

■ Schottky Barrier Diode

■ Applications

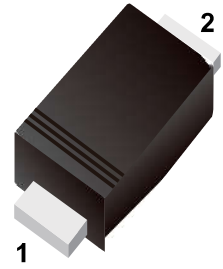
General rectification

■ Features

- 1) Small power mold type. (PMDU)
- 2) Low I_R .
- 3) High reliability

■ Construction

Silicon epitaxial planer

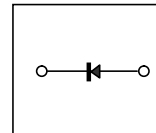


■ Simplified outline(SOD-123FL)

■ Marking

Marking	73
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■ Structure



Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	30	V
Reverse voltage (DC)	V_R	30	V
Average rectified forward current	I_o	1	A
Forward current surge peak (60Hz / 1cyc)	I_{FSM}	30	A
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-40 to +125	°C

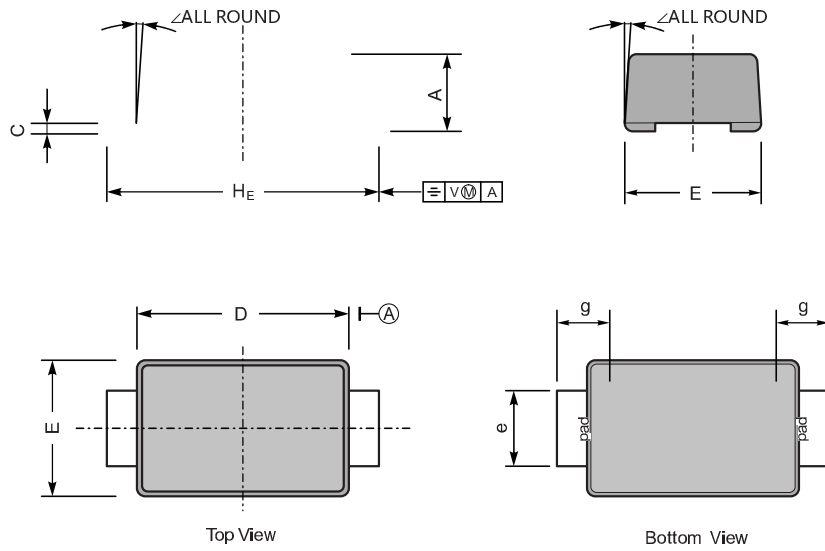
(*1) Mounted on epoxy board. 180° Half sine wave

Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_{F1}	-	0.39	0.46	V	$I_F=0.5A$
	V_{F2}	-	0.43	0.48	V	$I_F=1.0A$
Reverse current	I_{R1}	-	3.0	20	μA	$V_R=15V$
	I_{R2}	-	9.0	50	μA	$V_R=30V$

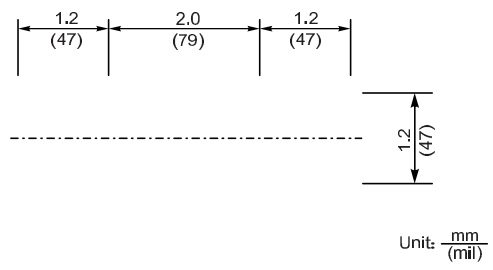
Package Outline SOD-123FL

Plastic surface mounted package; 2 leads



UNIT		A	C	D	E	e	g	H_E	\angle
mm	max	1.3	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



Summary of Packing Options

Package	Packing Description	Packing Quantity	Industry Standard
SOD-123FL	Tape/Reel, 13" reel	10000	EIA-481-1
	Tape/Reel, 7" reel	3000	EIA-481-1