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SEMICONDUCTOR



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Product data sheet



SOD-123FL



Applications

General rectification

Features

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

Construction

Silicon epitaxial planar

Absolute maximum ratings (Ta=25°C)

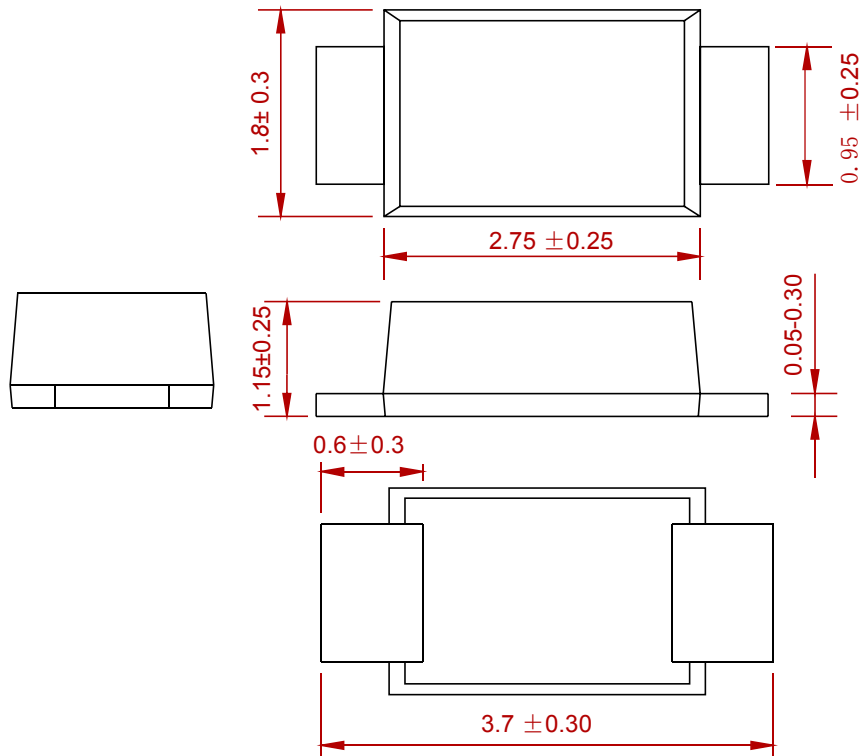
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	60	V
Reverse voltage (DC)	V_R	60	V
Average rectified forward current	I_o	1	A
Forward current surge peak (60Hz· 1cyc)	I_{FSM}	30	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-40 to +150	°C

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

Electrical characteristics (Ta=25°C)

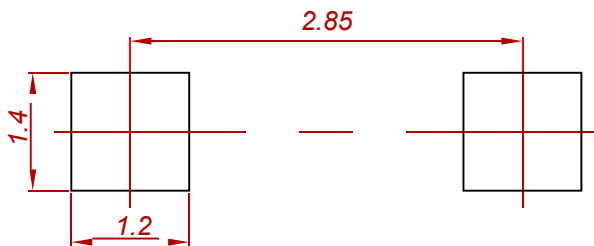
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	0.49	0.55	V	$I_F=1.0A$
Reverse current	I_R	-	7.0	50	μA	$V_R=60V$
Capacitance terminals	C_t	-	40	-	pF	$V_R=10V, f=1MHz$

PACKAGE MECHANICAL DATA



Dimensions in millimeters

Suggested Pad Layout



Note:

1. Controlling dimension: in millimeters.
2. General tolerance: ± 0.05 mm.
3. The pad layout is for reference purposes only.

REEL SPECIFICATION

P/N	PKG	QTY
RB160M-60	SOD-123FL	3000

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