

Schottky barrier diode

RB161L-40

● Applications

General rectification

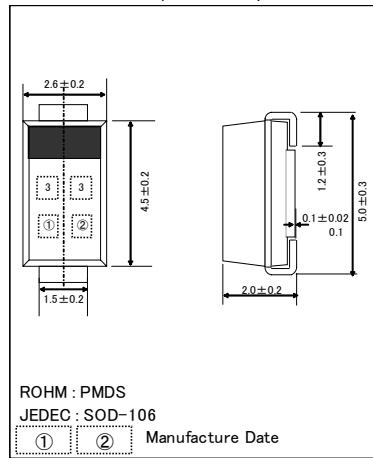
● Features

- 1) Small power mold type. (PMDS)
- 2) Low V_F .
- 3) High reliability.

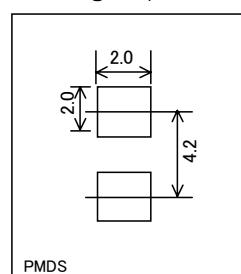
● Construction

Silicon epitaxial planar

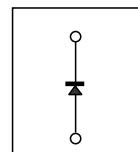
● Dimensions (Unit : mm)



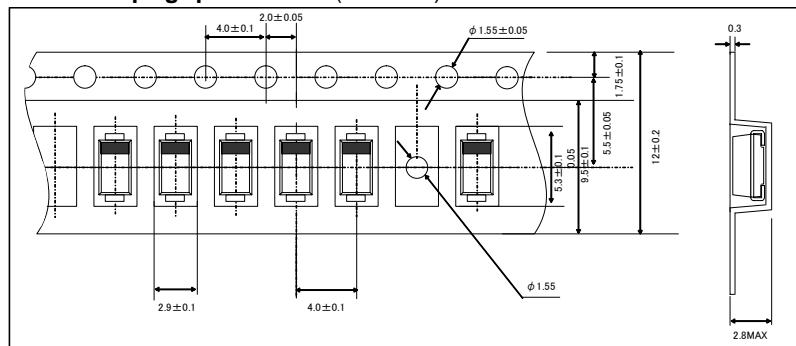
● Land size figure (Unit : mm)



● Structure



● Taping specifications (Unit : mm)



● Absolute maximum ratings ($T_a=25^\circ C$)

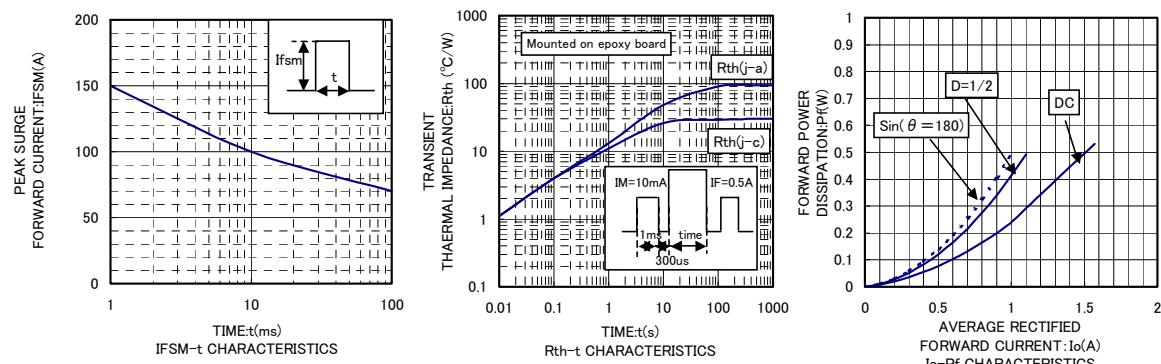
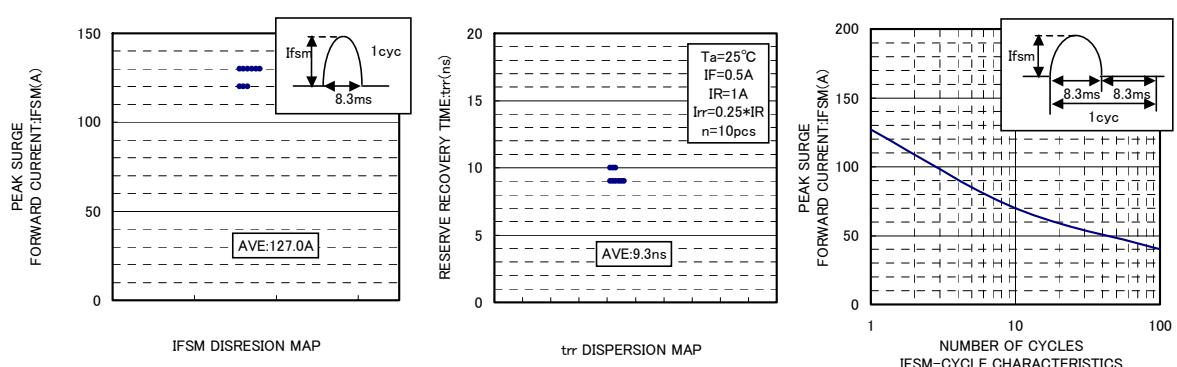
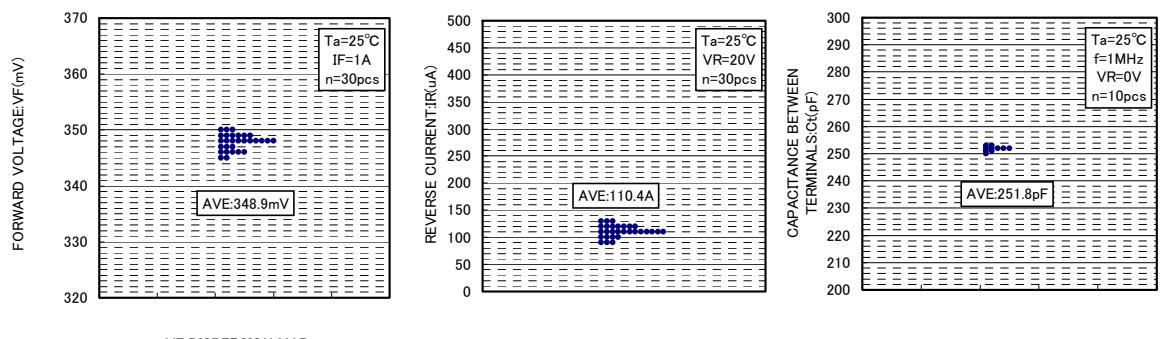
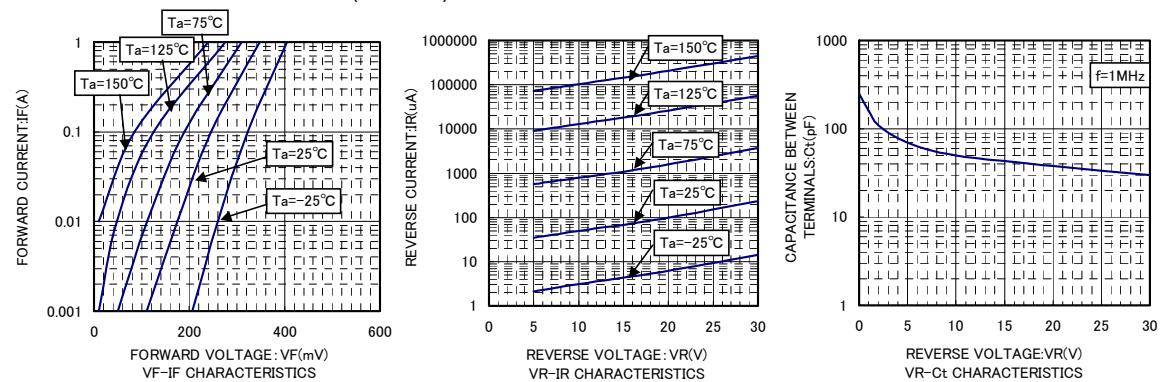
Parameter	Symbol	Limits		Unit
Reverse voltage (repetitive peak)	V_{RM}	40		V
Reverse voltage (DC)	V_R	20		V
Average rectified forward current	I_o	1		A
Forward current surge peak (60Hz·1cyc)	I_{FSM}	70		A
Junction temperature	T_j	125		$^\circ C$
Storage temperature	T_{stg}	-40 to +125		$^\circ C$

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

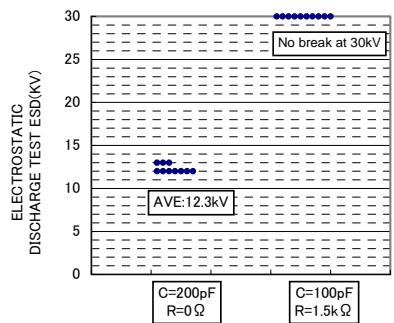
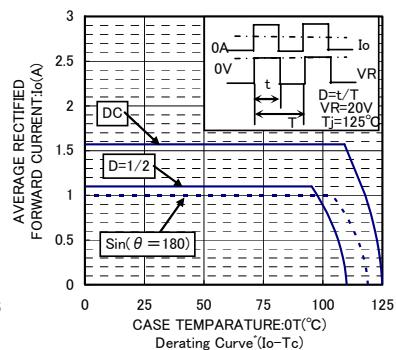
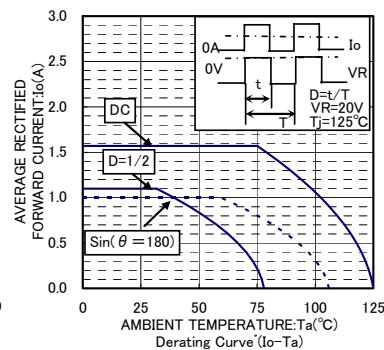
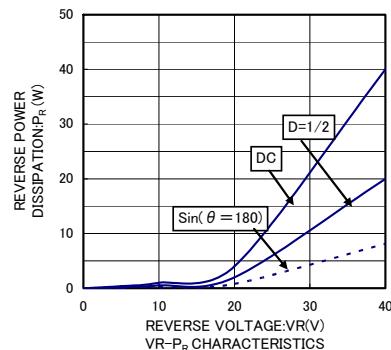
● Electrical characteristics ($T_a=25^\circ C$)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.45	V	$I_F=1.0A$
Reverse current	I_R	-	-	1	mA	$V_R=20V$

Diodes

● Electrical characteristic curves ($T_a=25^\circ\text{C}$)

Diodes



Appendix

Notes

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