

High frequency rectifier schottky barrier diode

RB160L-60

●Applications

High frequency rectification
For switching power supply.

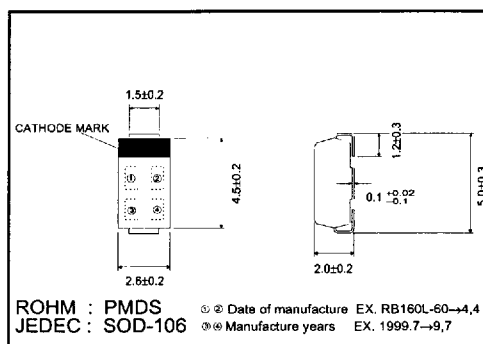
●Features

- 1) Small surface mounting type (PMDS)
- 2) High reliability
- 3) Low forward voltage (0.55V Typ. @ 1A)

●Construction

Silicon epitaxial Planar

●External dimensions (Units : mm)



●Absolute maximum ratings (Ta = 25°C)

Parameter	Symbol	Limits	Unit
Peak reverse voltage	V_{RM}	60	V
DC reverse voltage	V_R	60	V
Mean rectifying current *	I_O	1	A
Peak forward surge current	I_{FSM}	30	A
Junction temperature	T_J	125	°C
Storage temperature	T_{stg}	-40 ~ +125	°C

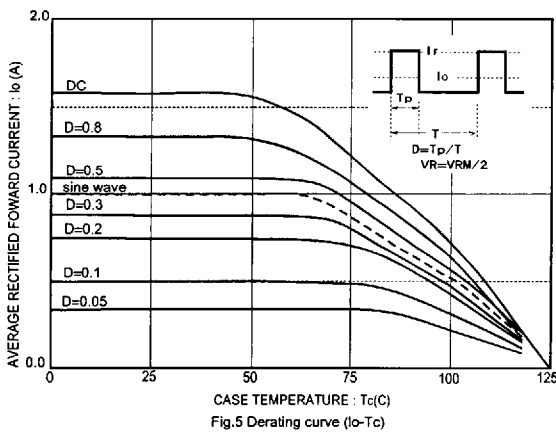
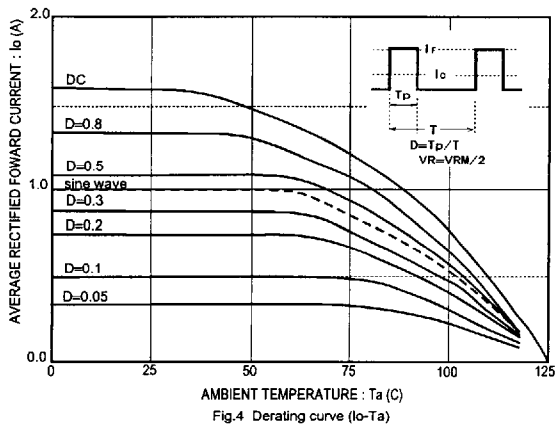
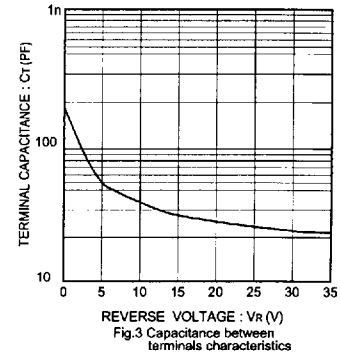
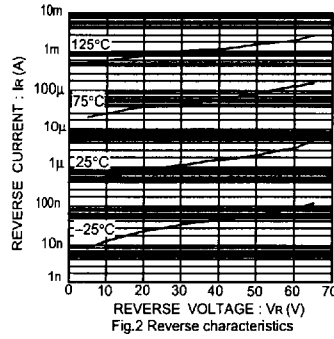
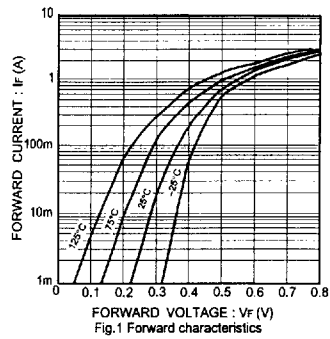
* When mounted on a PCBs board

●Electrical characteristics (Ta = 25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	—	0.55	0.58	V	$I_F = 1.0A$
Reverse current	I_R	—	0.0035	0.5	mA	$V_R = 60V$

ROHM

Diodes

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

ROHM