

General Purpose Rectifier Schottky Barrier Diode

RB400D

●Applications

High frequency rectification
Switching power supplies

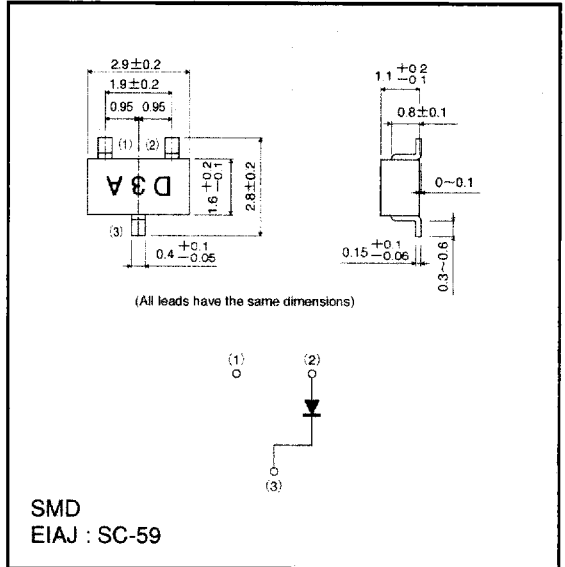
●Features

- 1) Designed for mounting on small surface areas (SMD3)
- 2) High reliability
- 3) Very low forward drop voltage

●Construction

Silicon epitaxial

●External dimensions (Units: mm)



●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Peak reverse voltage	V _{RM}	40	V
Mean rectifying current	I _o	0.5	A
Peak forward surge current	I _{FSM}	3	A
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-40~125	°C

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V _F	—	0.49	0.55	V	I _F =0.5A
Reverse current	I _R	—	1.1	50	μA	V _R =25V

* Special precautions required concerning static electricity when being handled.

● Electrical characteristic curves (Ta=25°C)

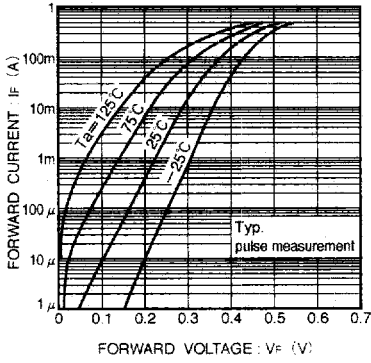


Fig. 1 Forward temperature characteristic

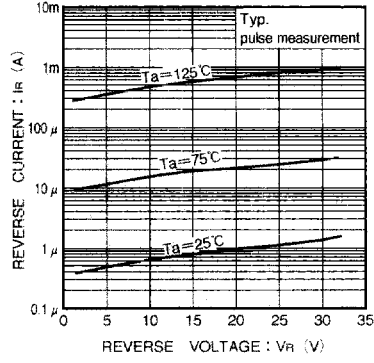


Fig. 2 Reverse temperature characteristic

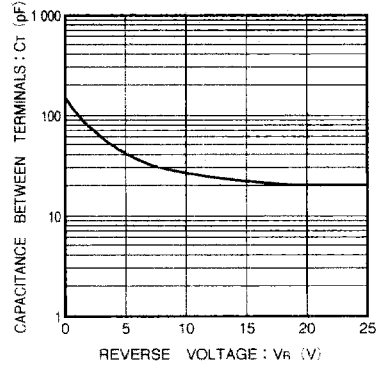


Fig. 3 Capacitance between terminals characteristic

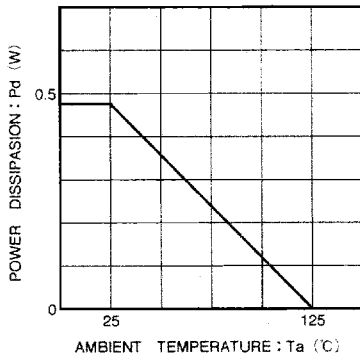


Fig. 4 Mean rectifying current characteristic