

Schottky Barrier Diode

RB168M150

●Applications

General rectification

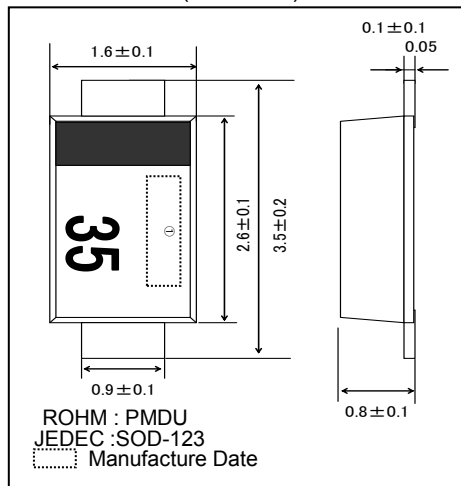
●Features

- 1) Small power mold type. (PMDU)
- 2) High reliability
- 3) AEC-Q101 qualified

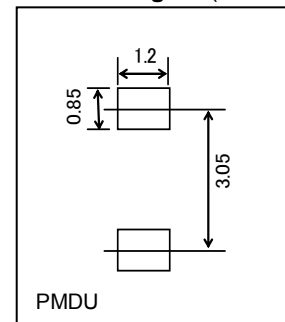
●Construction

Silicon epitaxial planer

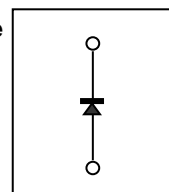
●Dimensions (Unit : mm)



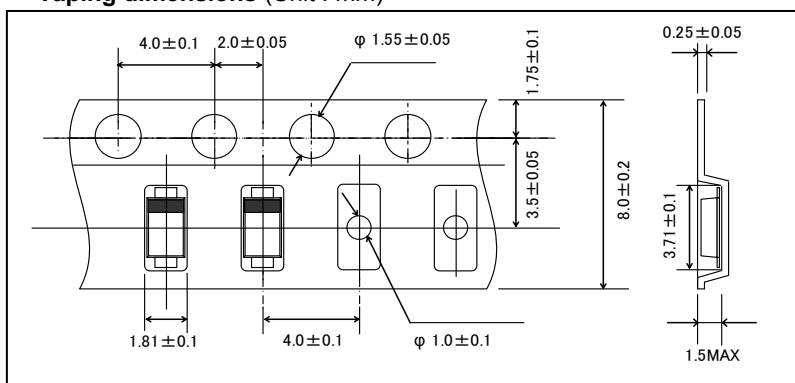
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



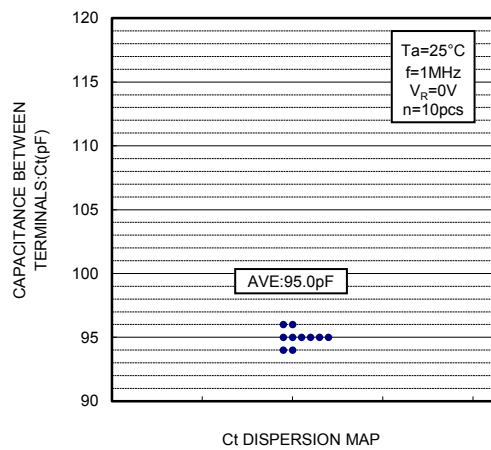
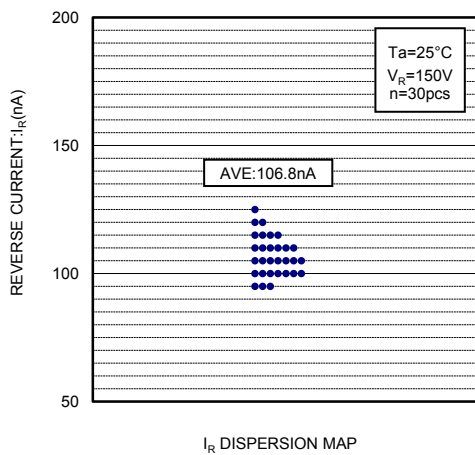
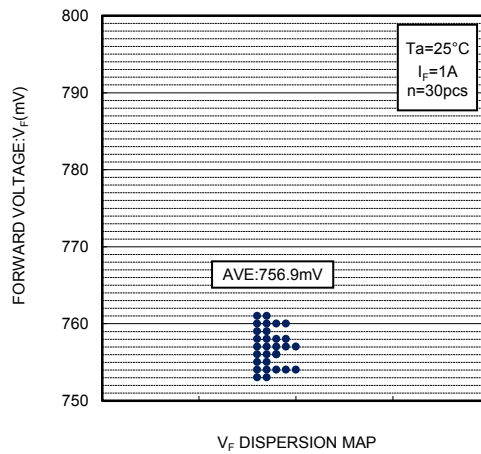
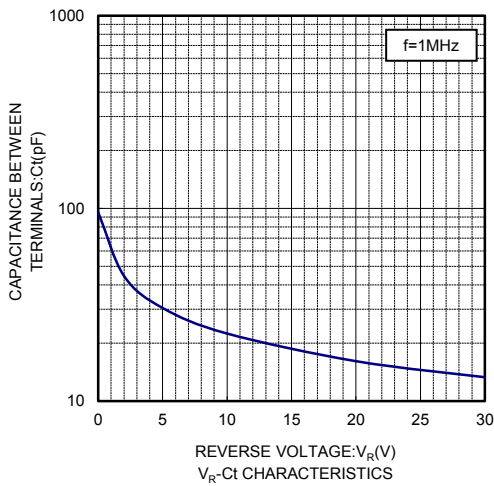
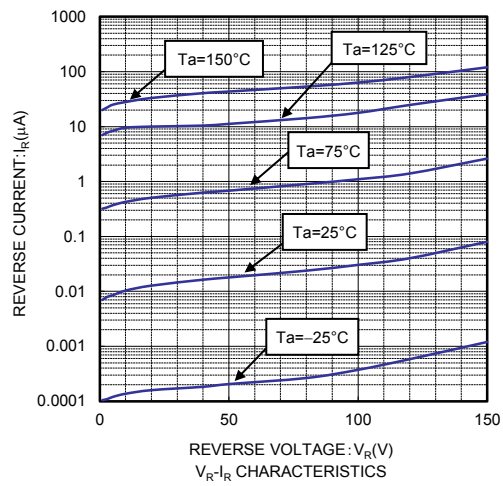
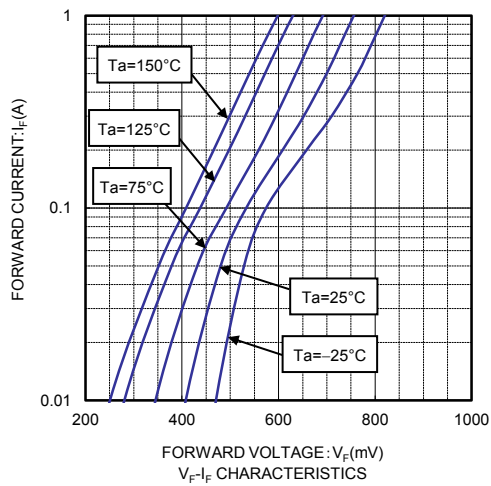
●Absolute maximum ratings (Ta=25°C)

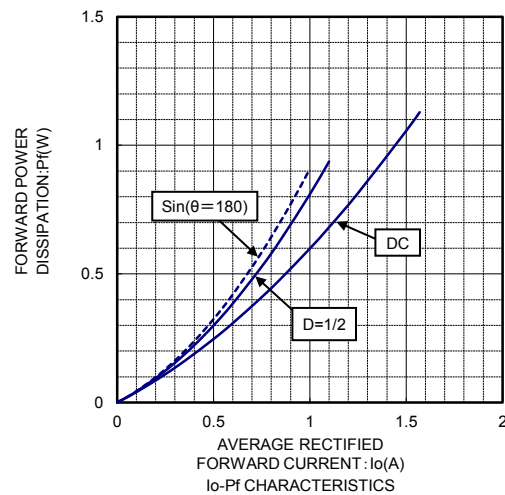
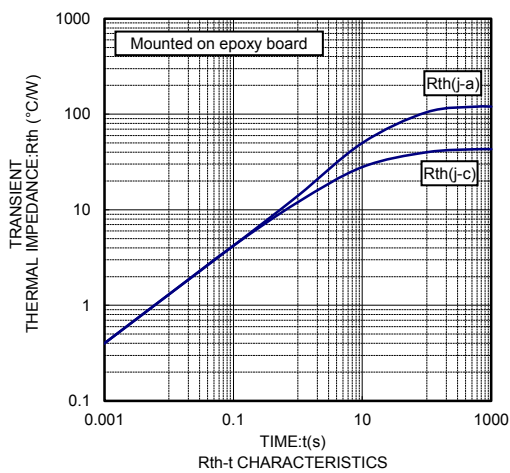
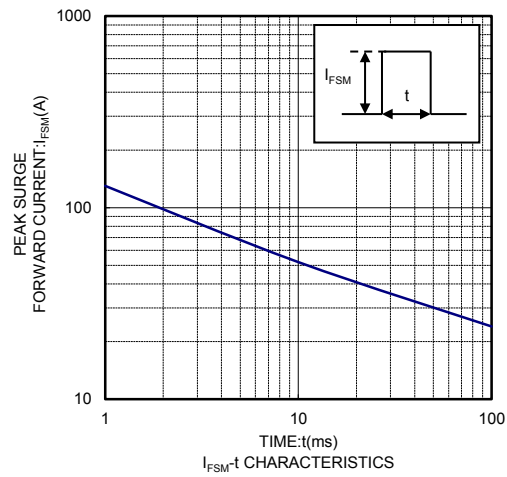
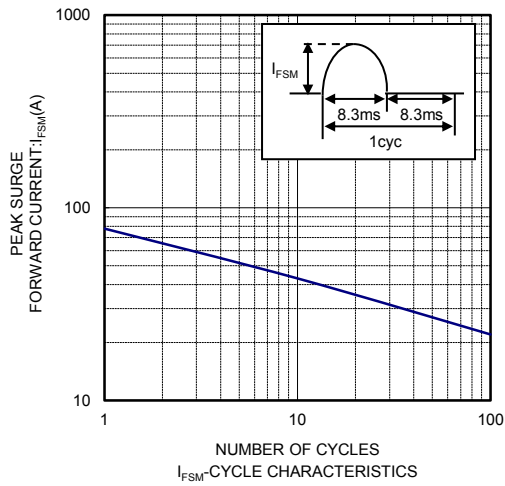
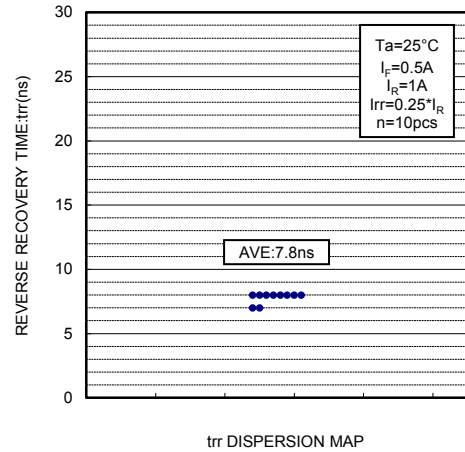
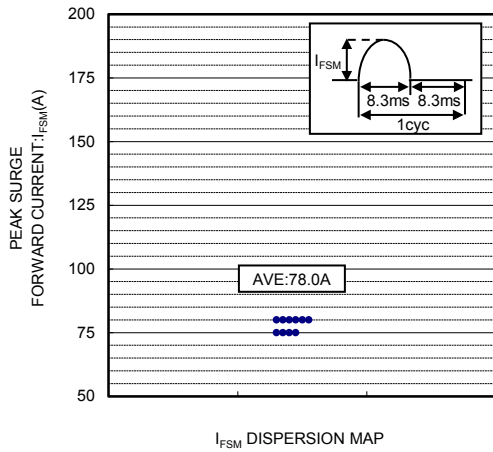
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V_{RM}	150	V
Reverse voltage (DC)	V_R	150	V
Average rectified forward current (*1)	I_o	1	A
Forward current surge peak (60Hz · 1cyc)	I_{FSM}	30	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

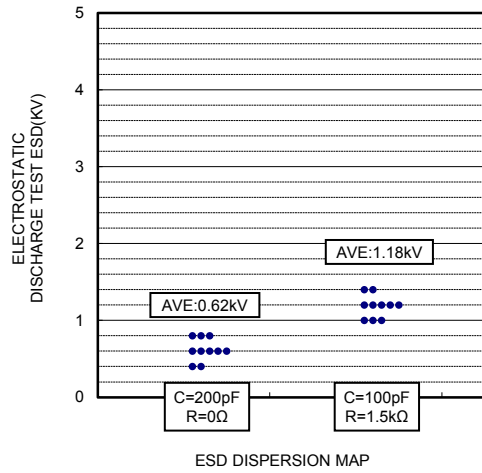
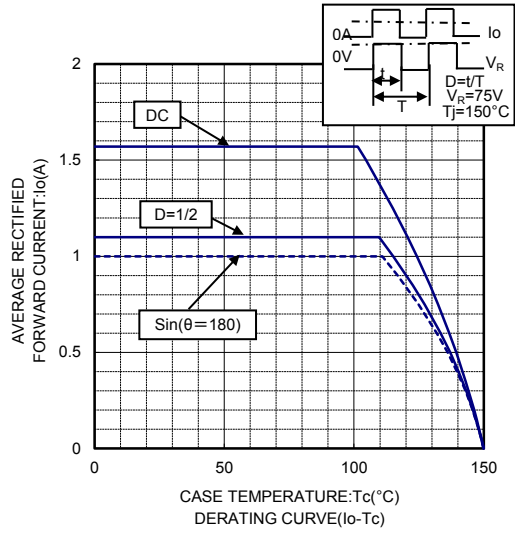
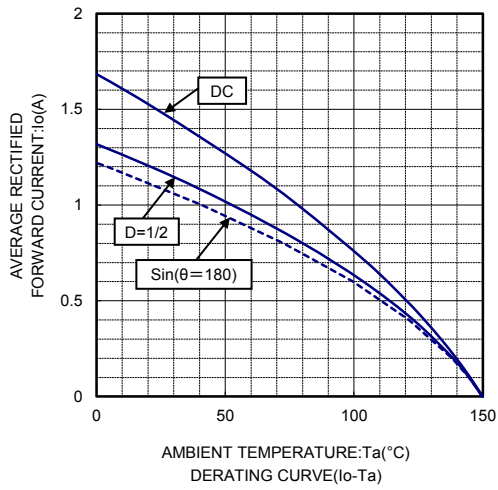
(*1) Business frequency, R-road, $T_c=110^\circ\text{C}$ max.

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	0.76	0.84	V	$I_F=1\text{A}$
Reverse current	I_R	-	0.11	20	μA	$V_R=150\text{V}$







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