

Schottky Barrier Diode

RB162L-60

● **Applications**

General rectification

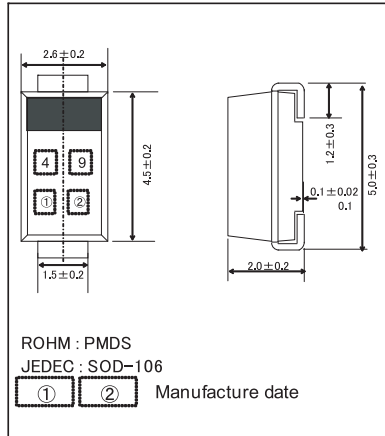
● **Features**

- 1) Small power mold type. (PMDS)
- 2) High switching speed
- 3) Low forward voltage

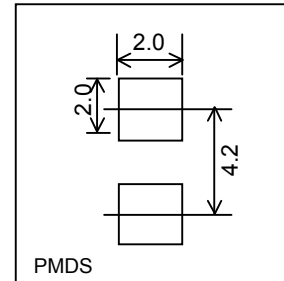
● **Construction**

Silicon epitaxial planer

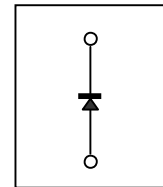
● **Dimensions (Unit : mm)**



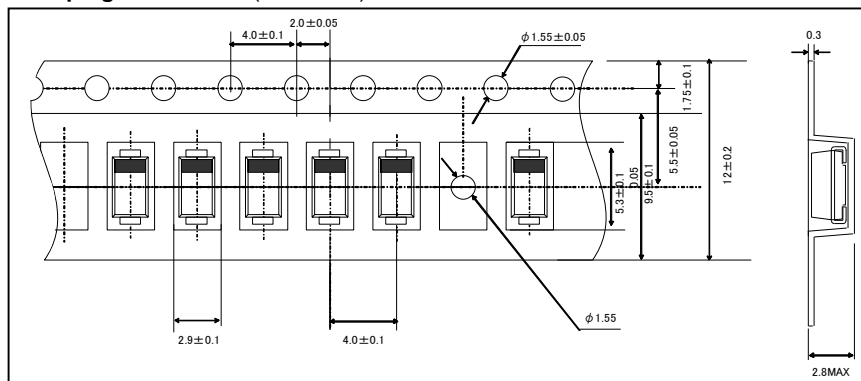
● **Land size figure (Unit : mm)**



● **Structure**



● **Taping dimensions (Unit : mm)**

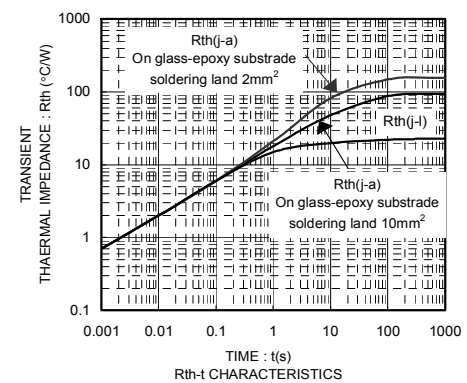
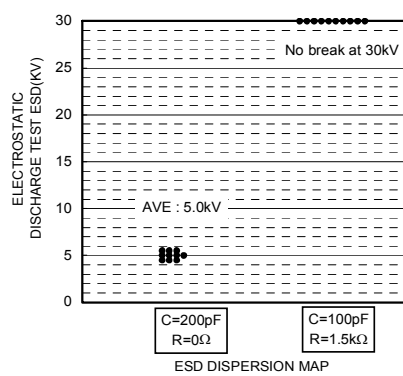
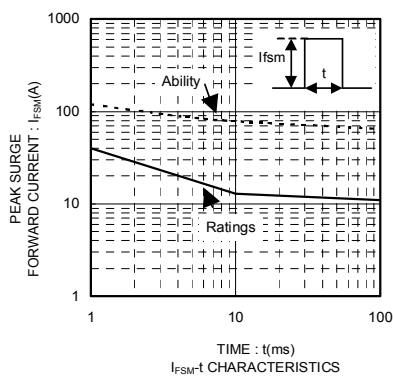
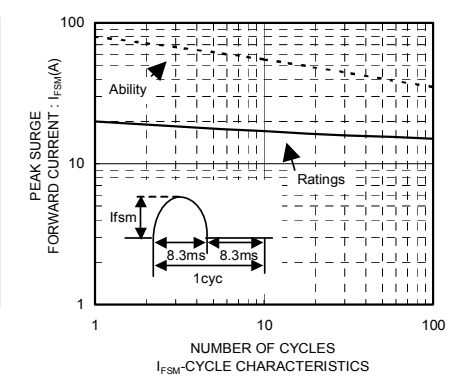
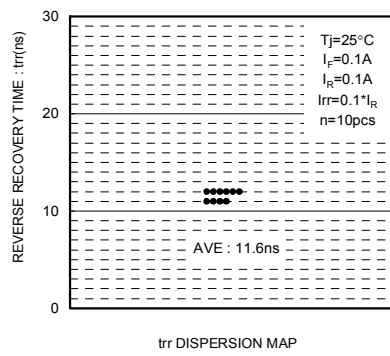
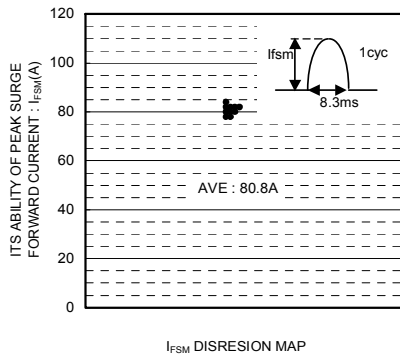
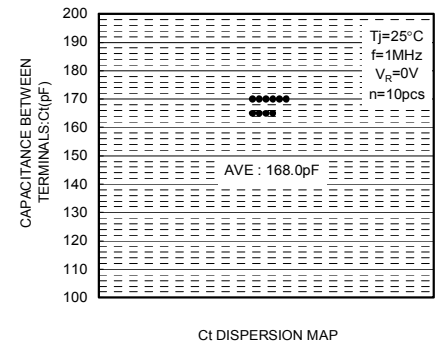
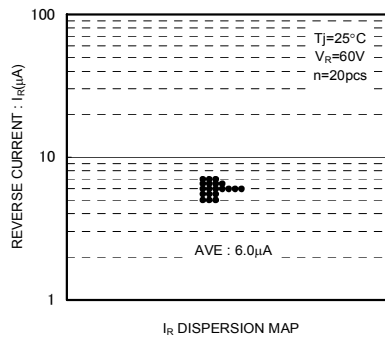
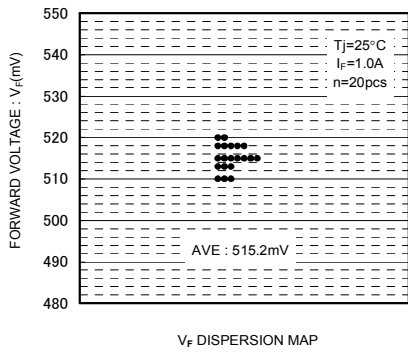
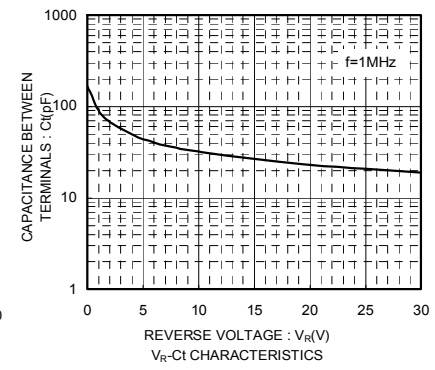
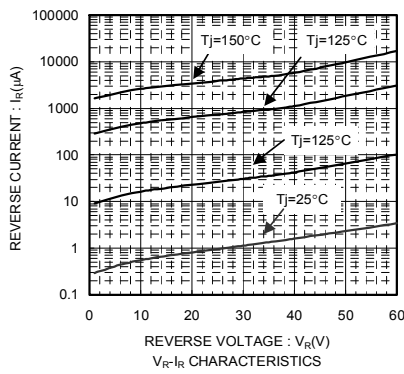
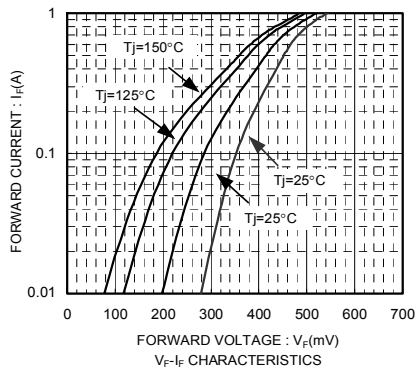


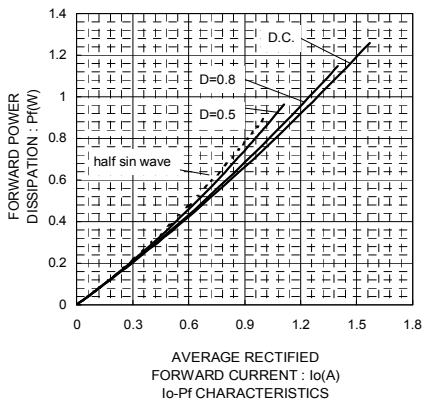
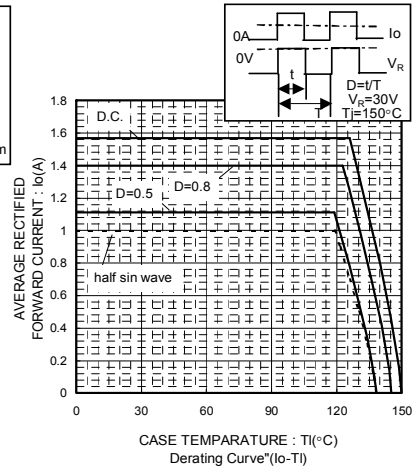
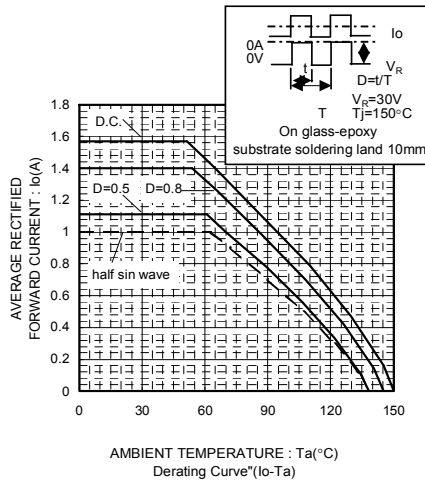
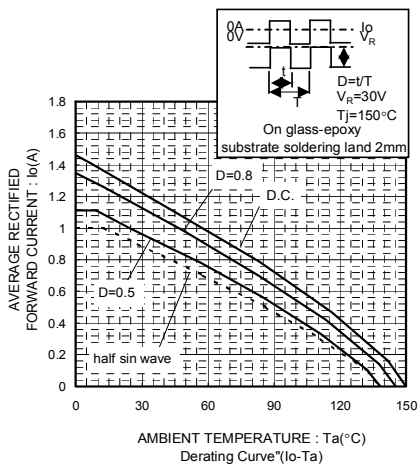
● **Absolute maximum ratings (Tl=25°C)**

Parameter	Symbol	Conditions	Limits	Unit
Repetitive peak reverse voltage	V_{RM}	$D \geq 0.5$	60	V
Reverse voltage	V_R	Direct voltage	60	V
Average rectified forward current	I_o	Glass epoxy substrate mounted R-road, 60Hz half sin wave	1.0	A
Forward current surge peak	I_{FSM}	60Hz half sin wave, Non-repetitive one cycle peak value, $T_j = 25^\circ\text{C}$	20	A
Junction temperature	T_j		150	°C
Storage temperature	T_{stg}		-40 to +150	°C

● **Electrical characteristics (Tj=25°C)**

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward voltage	V_F	$I_F = 1.0\text{A}$	-	0.54	0.65	V
Reverse current	I_R	$V_R = 60\text{V}$	-	4	100	μA





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