

# Schottky Barrier Diode

**RB162L-60**

● **Applications**

General rectification

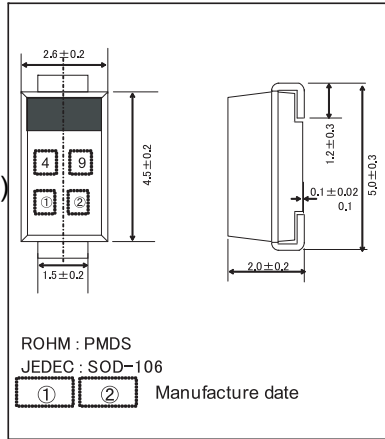
● **Features**

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

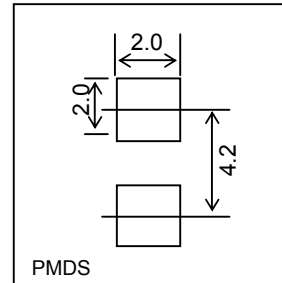
● **Construction**

Silicon epitaxial planer

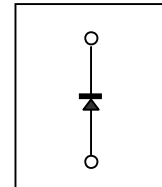
● **Dimensions (Unit : mm)**



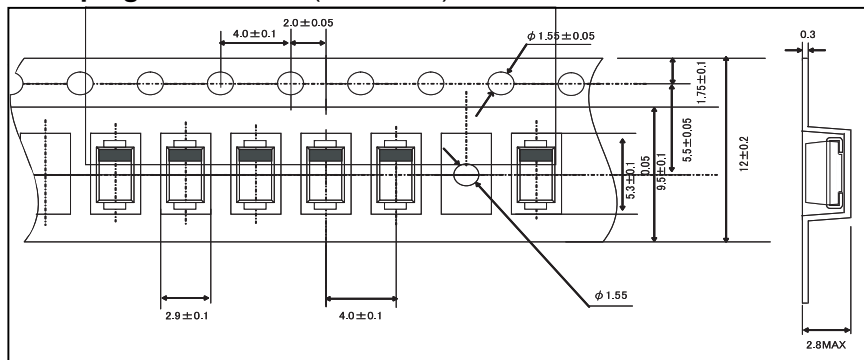
● **Land size figure (Unit : mm)**



● **Structure**



● **Taping dimensions (Unit : mm)**



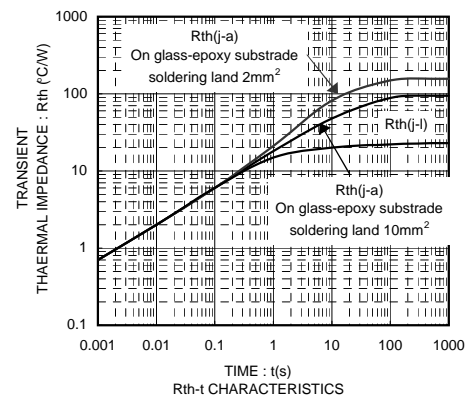
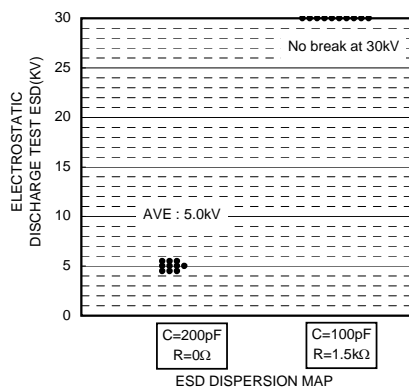
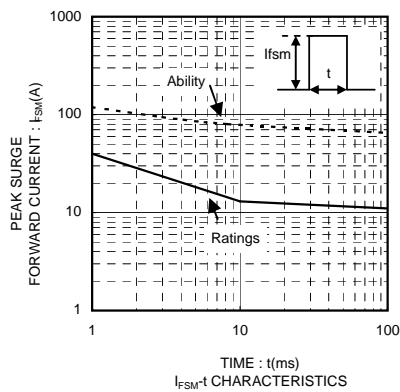
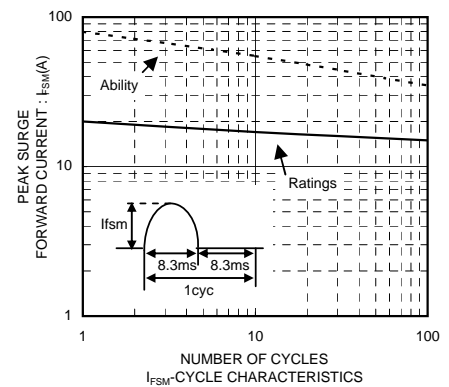
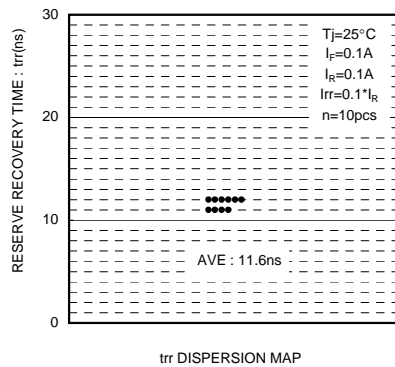
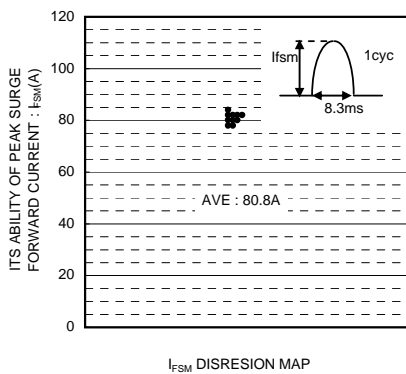
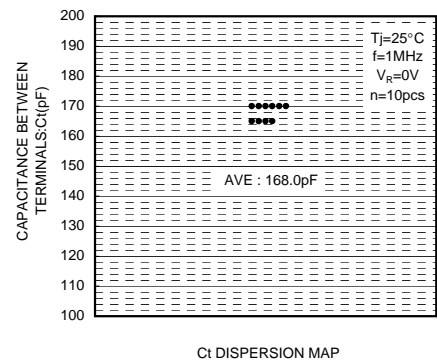
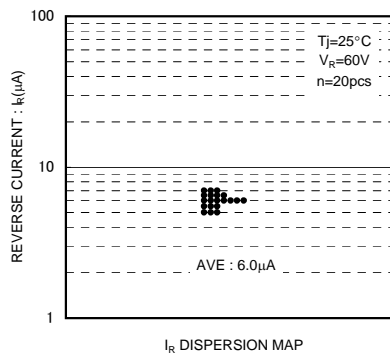
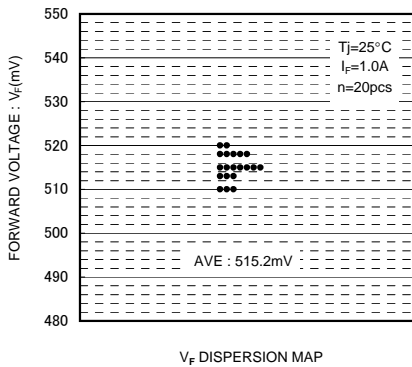
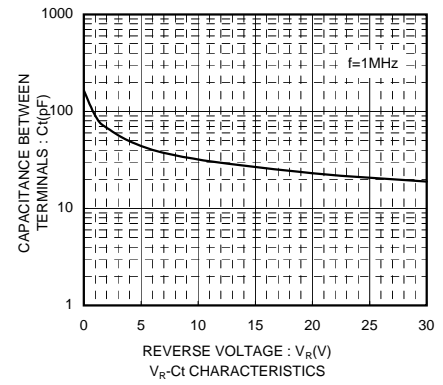
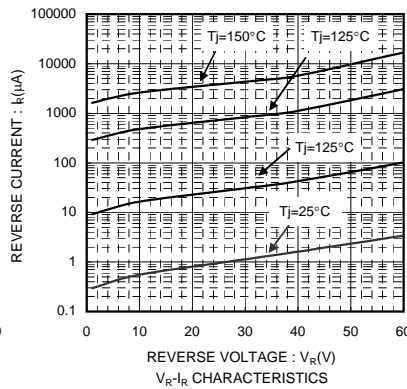
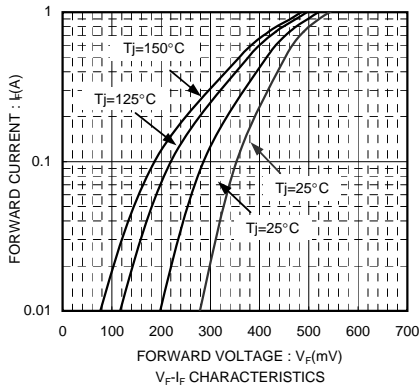
● **Absolute maximum ratings (Tl=25°C)**

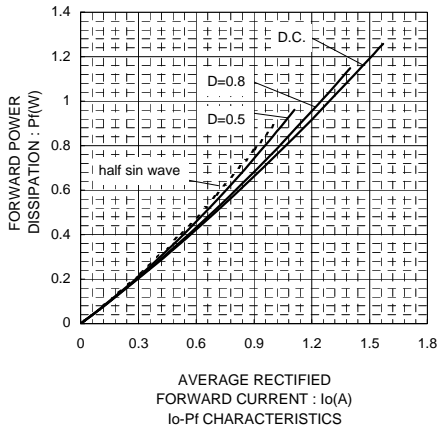
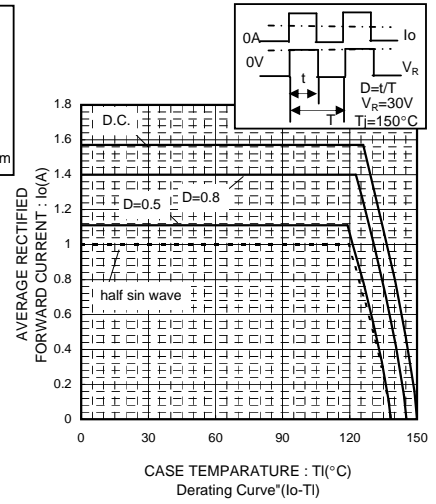
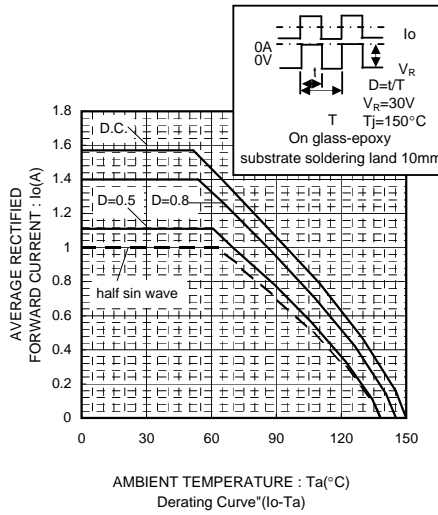
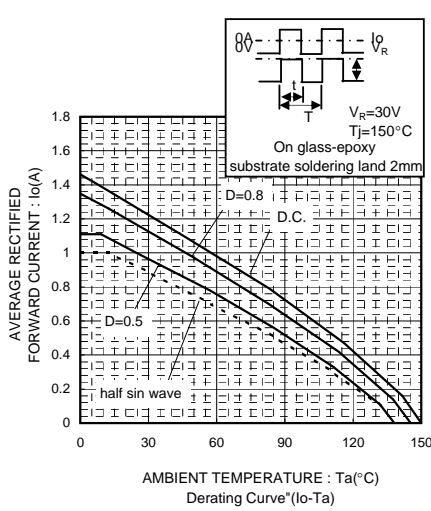
Parameter	Symbol	Conditions	Limits	Unit
Repetitive peak reverse voltage	$V_{RM}$	$D \geq 0.5$	60	V
Reverse voltage	$V_R$	Direct voltage	60	V
Average rectified forward current	$I_o$	Glass epoxy substrate mounted R-road, 60Hz half sin wave	1.0	A
Forward current surge peak	$I_{FSM}$	60Hz half sin wave, Non-repetitive one cycle peak value, $T_j = 25^\circ C$	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	$V_F$	$I_F = 1.0A$	-	0.54	0.65	V
Reverse current	$I_R$	$V_R = 60V$	-	4	100	μA

●Electrical characteristics curves





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