

Diodes

Schottky barrier diode

RB060L-40

●Applications

Rectifying small power

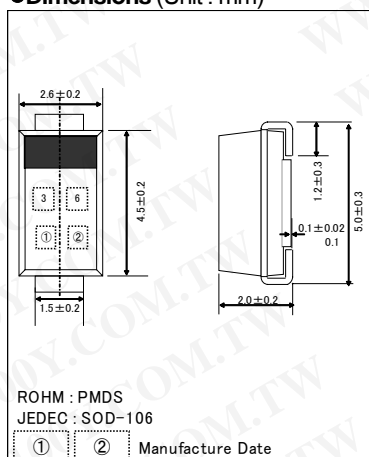
●Features

- 1) Small power mold type.
(PMDS)
- 2) Low I_r
- 3) High reliability

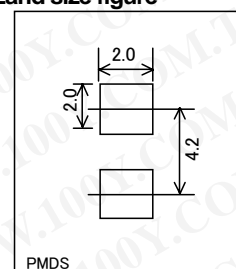
●Construction

Silicon epitaxial planar

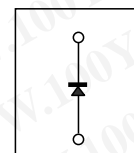
●Dimensions (Unit : mm)



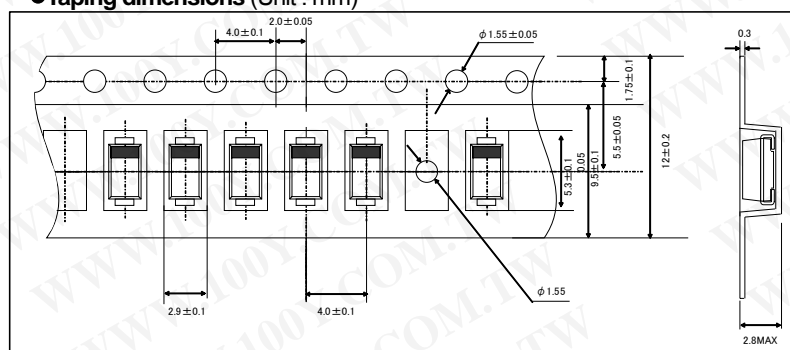
●Land size figure



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	40	V
Reverse voltage (DC)	V_R	40	V
Average rectified forward current	I_o	2	A
Forward current surge peak (60Hz·1cyc)	I_{FSM}	70	A
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-40 to +125	°C

(*1) Mounted on epoxy board. 180°Half sine wave

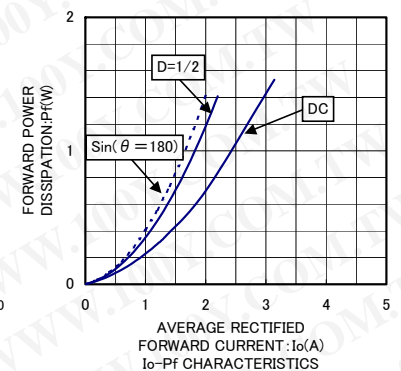
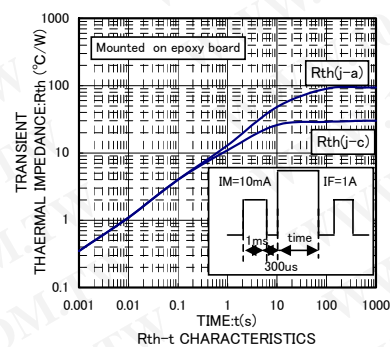
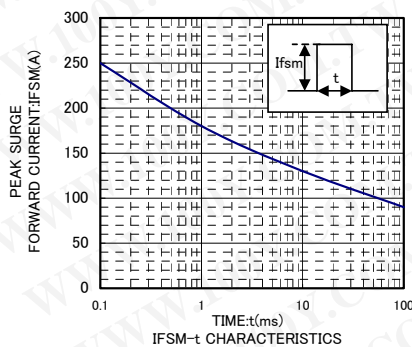
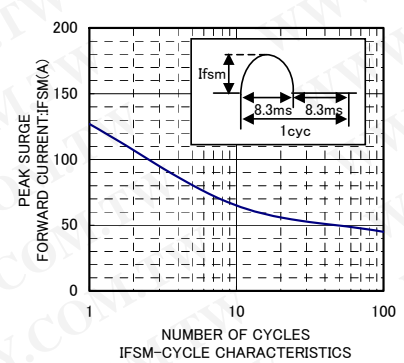
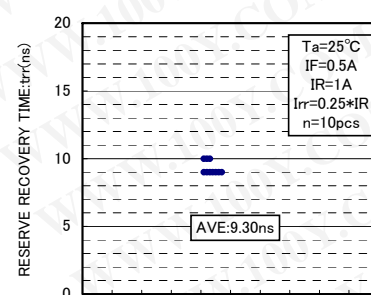
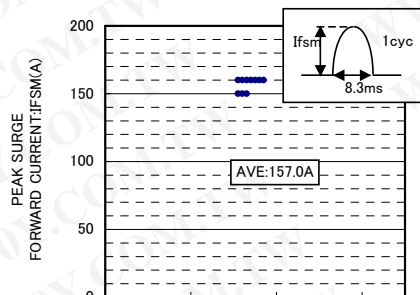
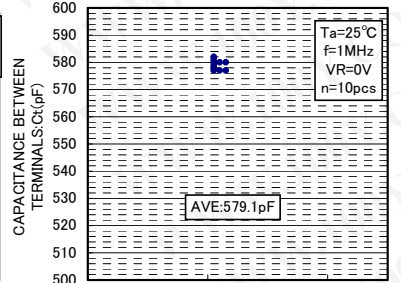
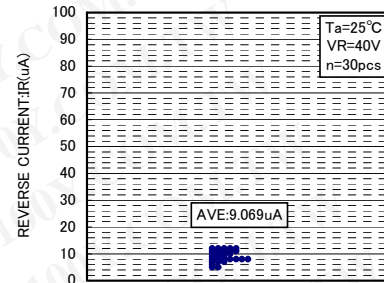
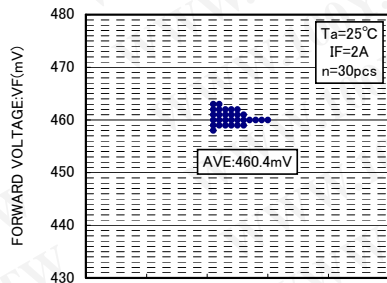
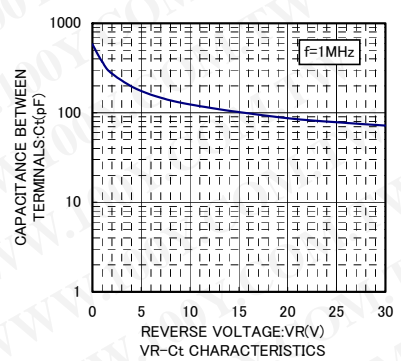
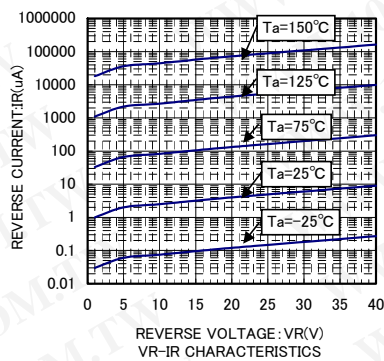
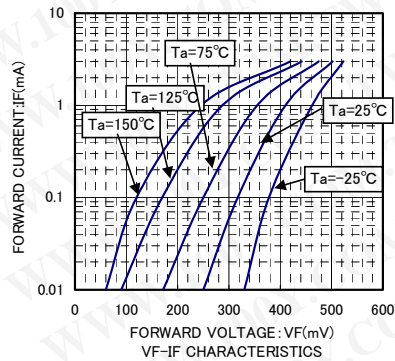
●Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_{F1}	-	-	0.50	V	$I_F=2.0A$
	V_{F2}	-	-	0.45	V	$I_F=1.0A$
Reverse current	I_R	-	-	1	mA	$V_R=40V$
Thermal impedance	θ_{j-a}	-	-	90	°C/W	Mounting on alumina board
	θ_{j-c}	-	-	120	°C/W	Mounted on epoxy board

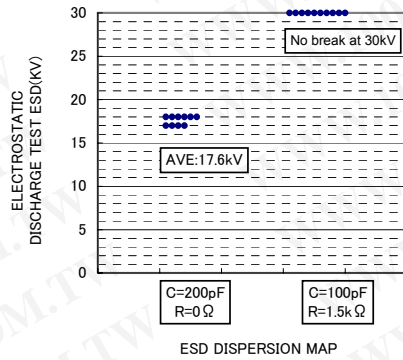
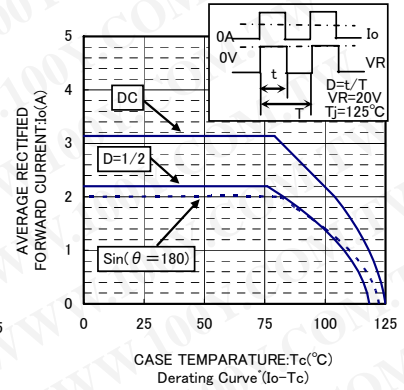
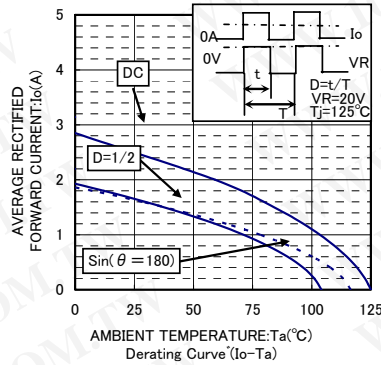
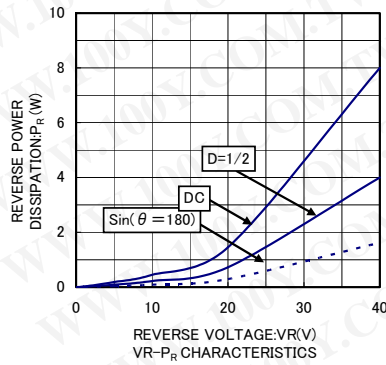
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Diodes

●Electrical characteristic curves



Diodes



Appendix

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