

Schottky barrier diode

RB160VA-40

● Applications

General rectification

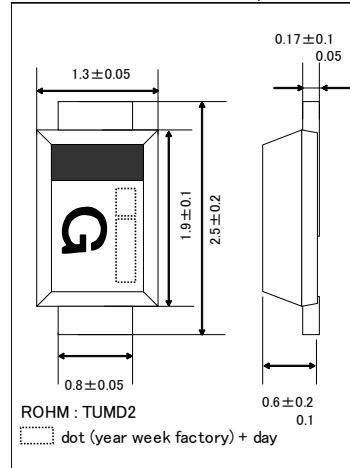
● Features

- 1) Small mold type. (TUMD2)
- 2) Low I_F , Low I_R .
- 3) High reliability.

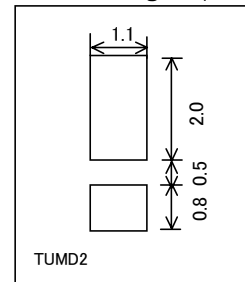
● Construction

Silicon epitaxial planar

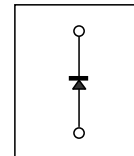
● External dimensions (Unit : mm)



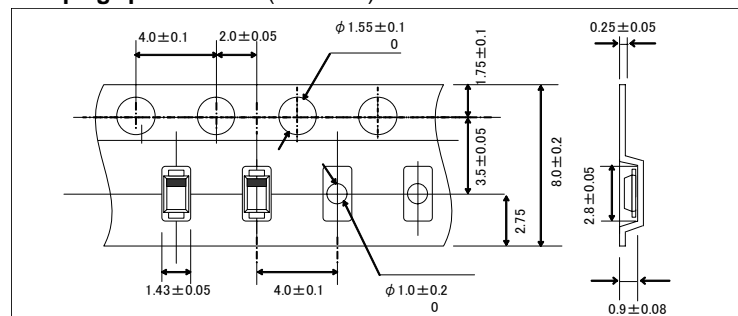
● Land size figure (Unit : mm)



● Structure



● Taping specifications (Unit : mm)

● Absolute maximum ratings ($T_a=25^\circ\text{C}$)

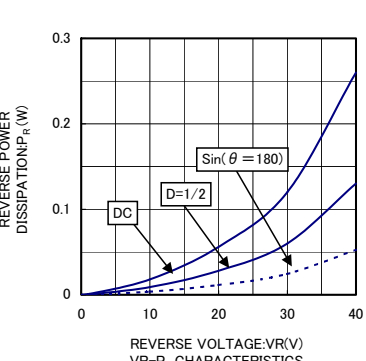
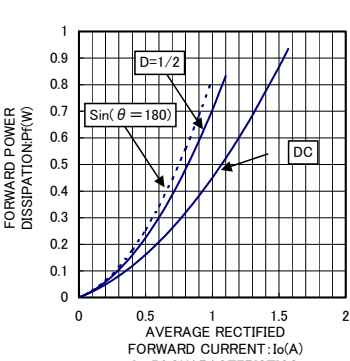
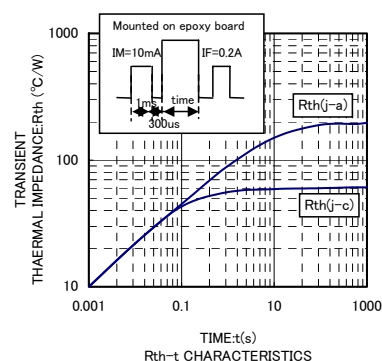
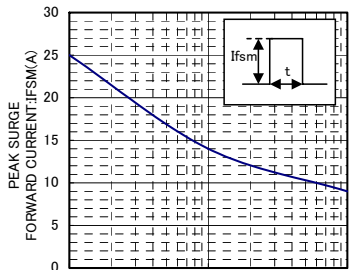
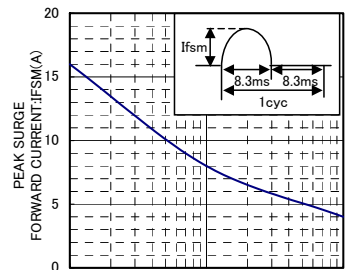
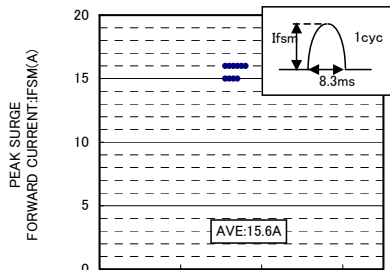
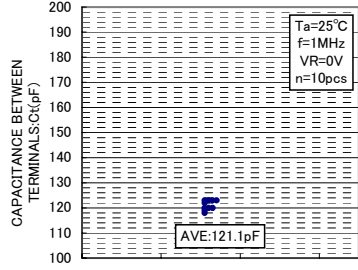
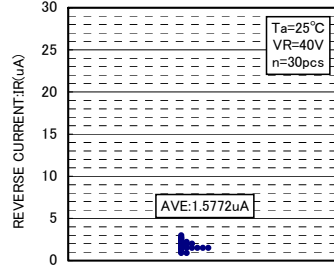
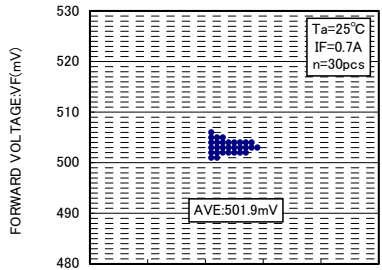
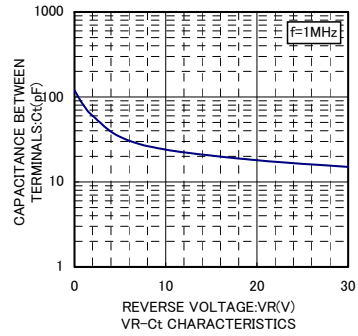
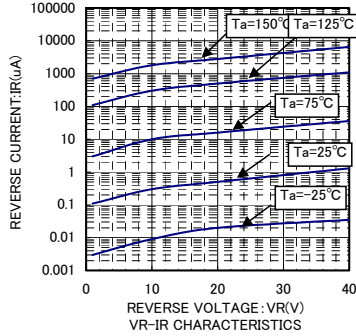
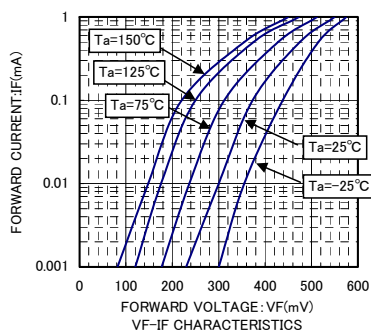
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	40	V
Reverse voltage (DC)	V_R	40	V
Average rectified forward current	I_O	1	A
Forward peak surge current (60Hz·1cyc)	I_{FSM}	5	A
Junction temperature	T_j	150	$^\circ\text{C}$
Storage temperature	T_{stg}	-40 to +150	$^\circ\text{C}$

● Electrical characteristics ($T_a=25^\circ\text{C}$)

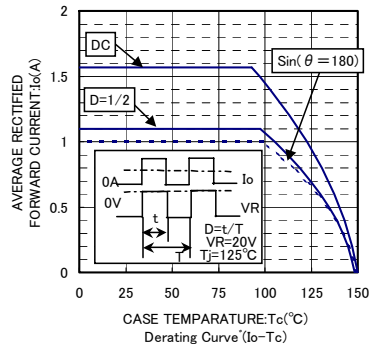
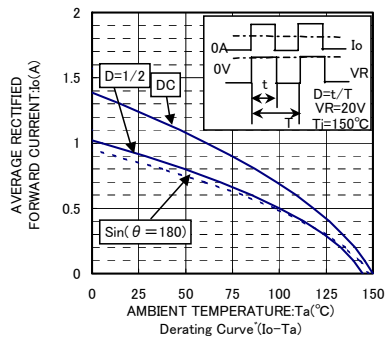
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	0.50	0.55	V	$I_F=700\text{mA}$
Reverse current	I_R	-	1.5	50	μA	$V_R=40\text{V}$

Diodes

●Electrical characteristic curves (Ta=25°C)



Diodes



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