

# Schottky barrier Diode

## RB162VA-20

**●Applications**

General rectification

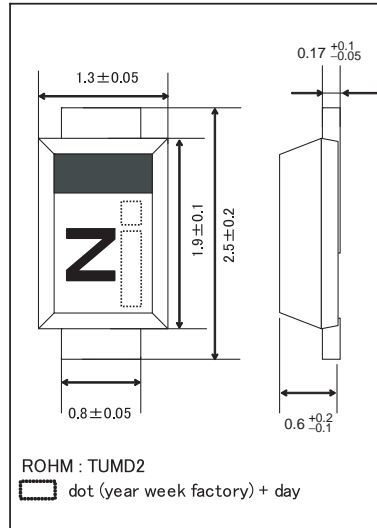
**●Feature**

- 1) Small mold type (TUMD2)
- 2) Low  $V_F$
- 3) High reliability

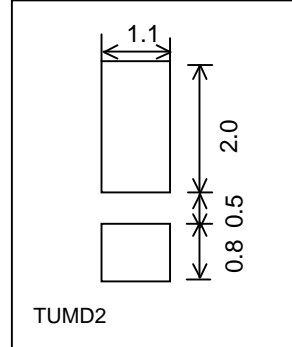
**●Structure**

Silicon epitaxial planar

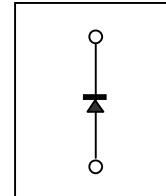
**●Dimensions (Unit : mm)**



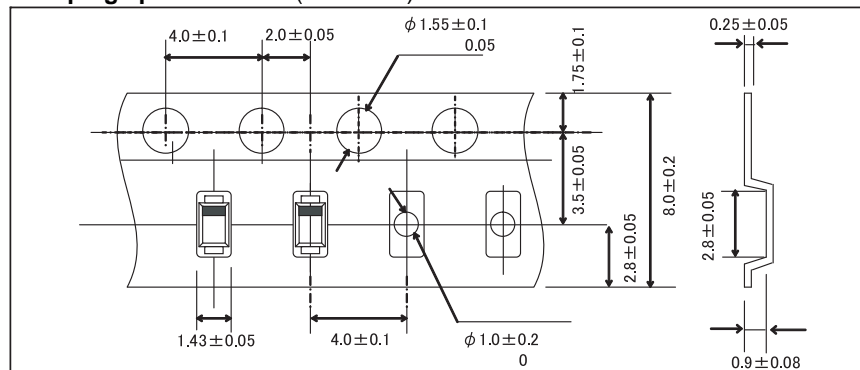
**●Land size figure (Unit : mm)**



**●Structure**



**●Taping specifications (Unit : mm)**



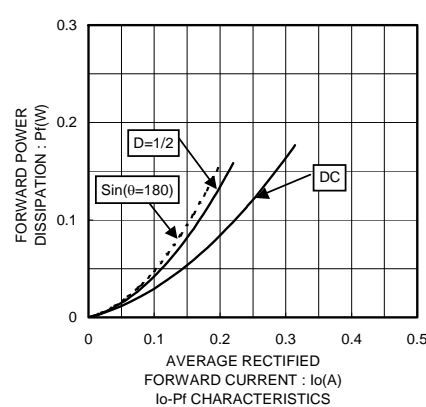
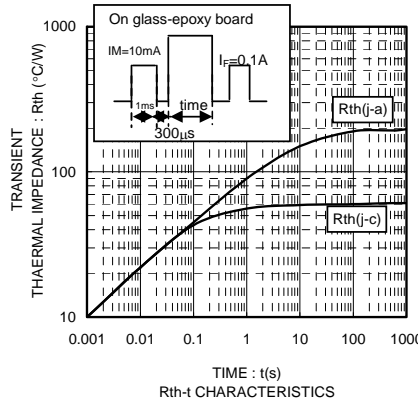
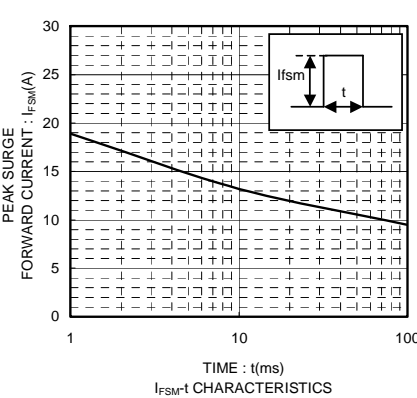
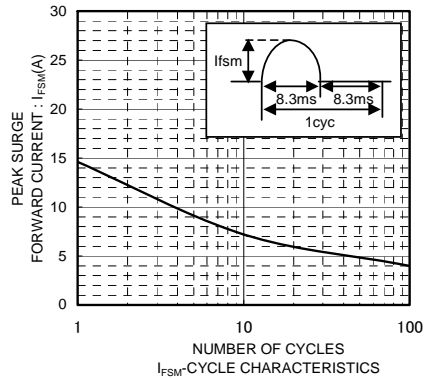
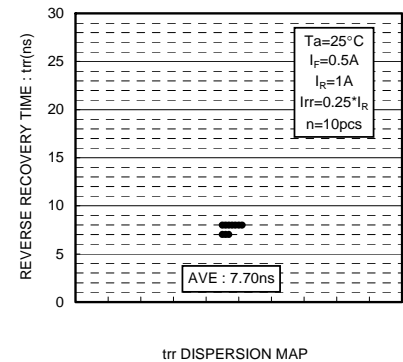
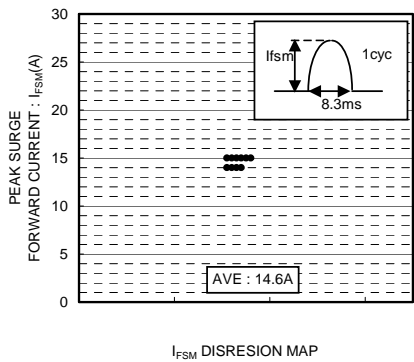
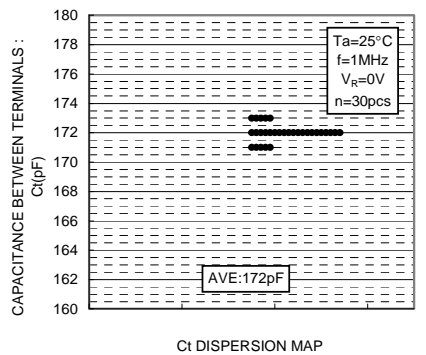
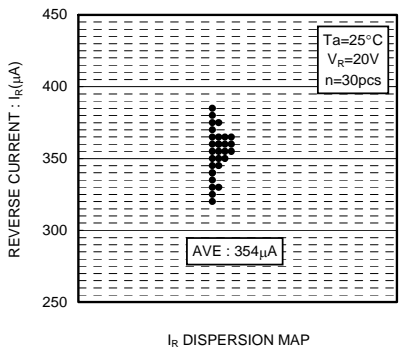
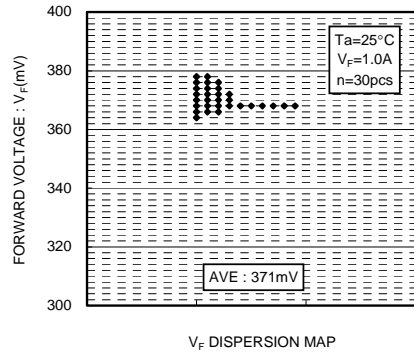
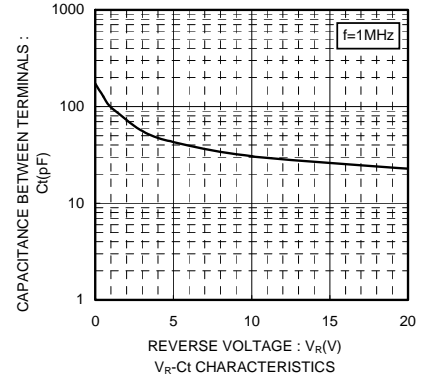
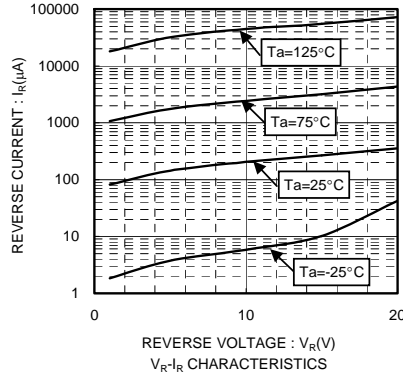
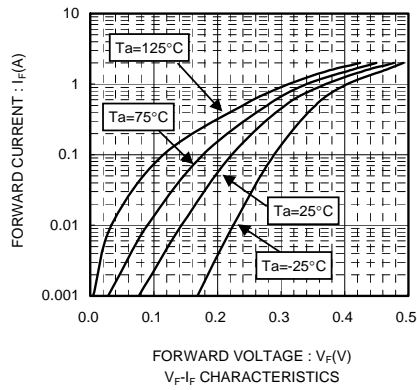
**●Absolute maximum ratings (Ta=25°C)**

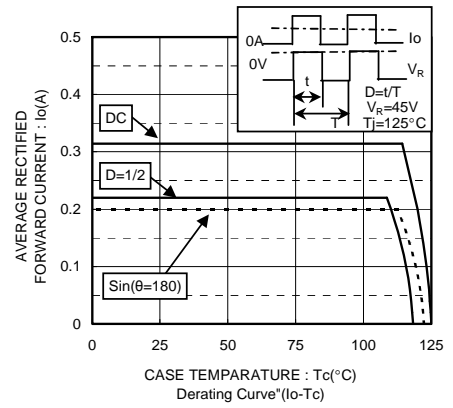
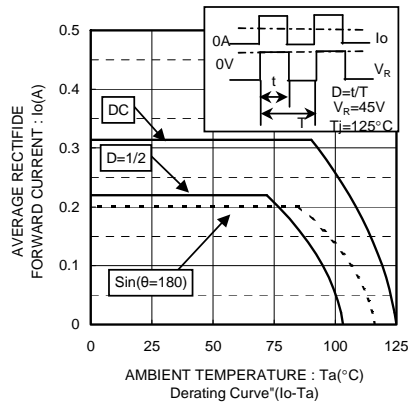
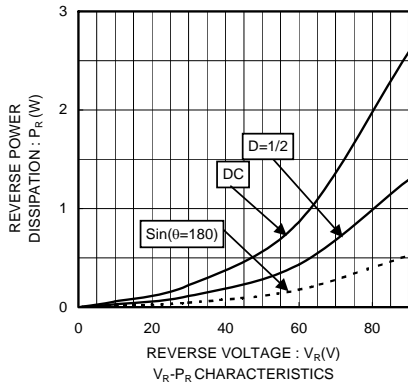
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	$V_{RM}$	25	V
Reverse voltage (DC)	$V_R$	20	V
Average rectified forward current	$I_o$	1.0	A
Forward current surge peak (60Hz/1cyc)	$I_{FSM}$	5.0	A
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-40 to +125	°C

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	-	0.36	0.4	V	$I_F=1.0A$
Reverse current	$I_R$	-	0.3	1.2	mA	$V_R=20V$

●Electrical characteristics curves





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