

Schottky Barrier Diode

RSX201VA-30

●Applications

General rectification

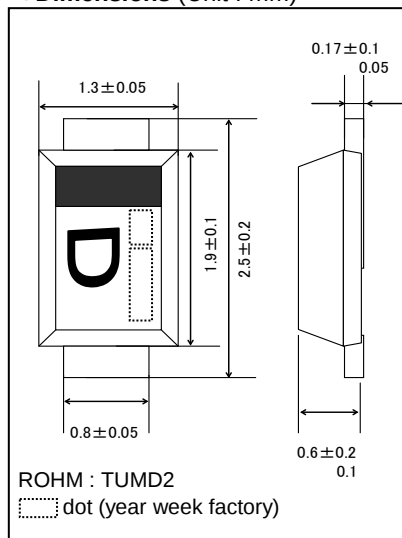
●Features

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

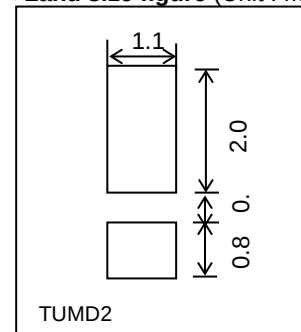
●Construction

Silicon epitaxial planer

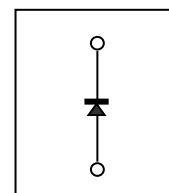
●Dimensions (Unit : mm)



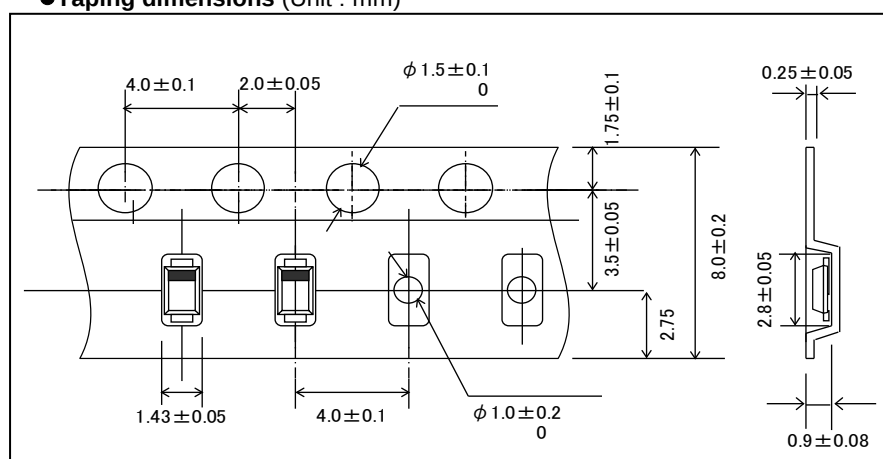
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)

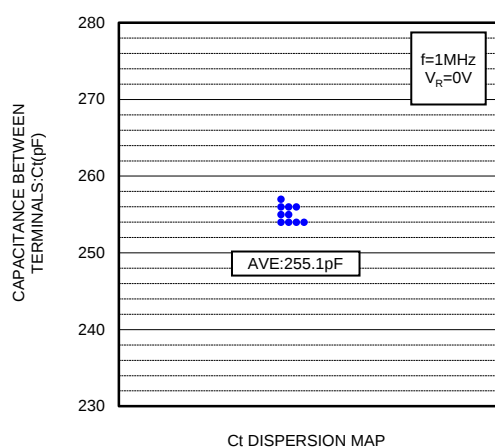
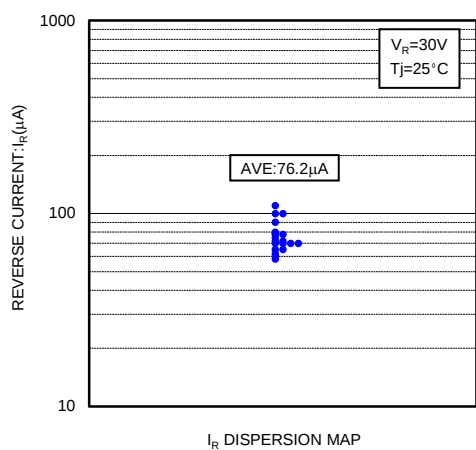
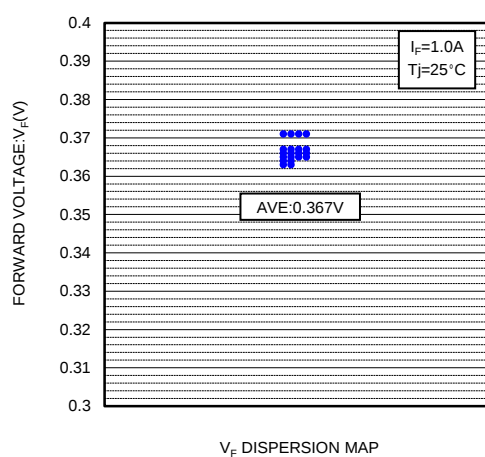
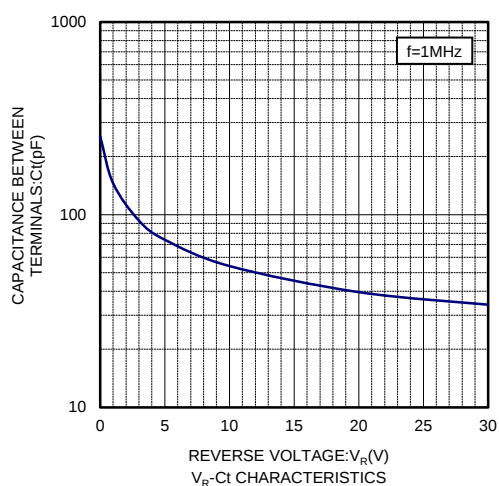
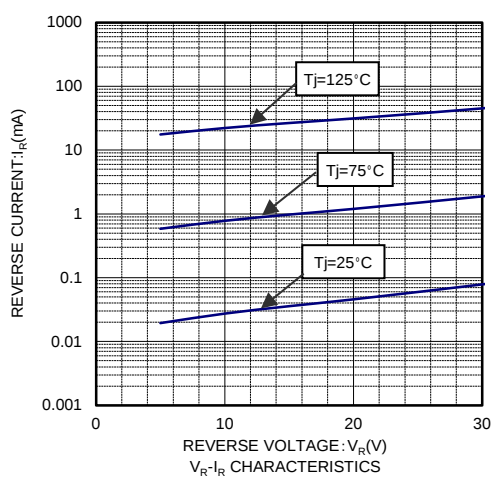
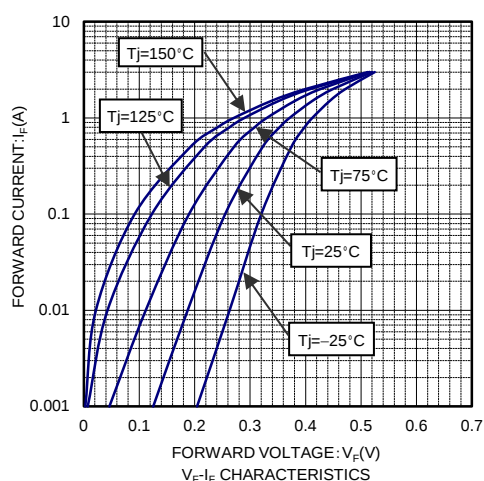


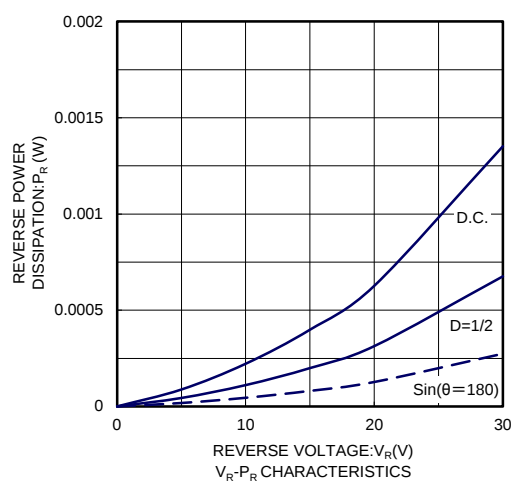
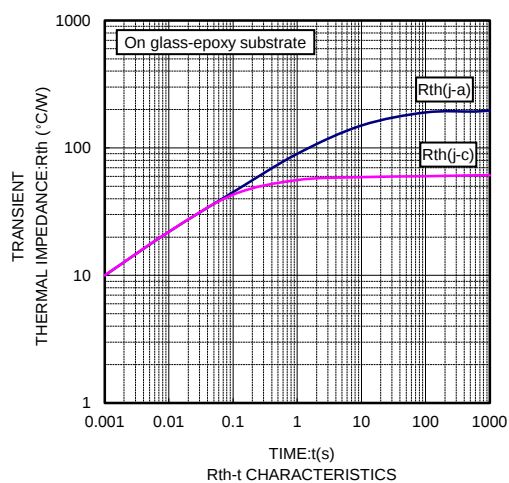
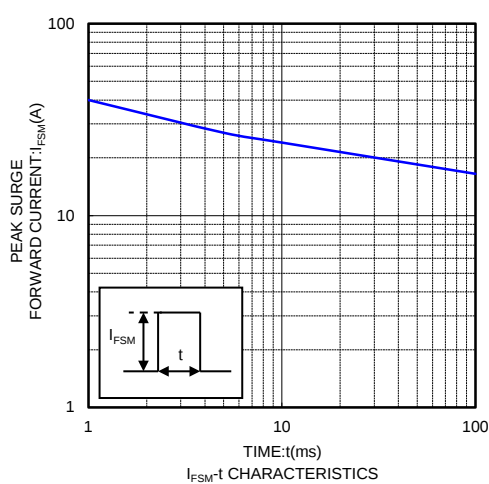
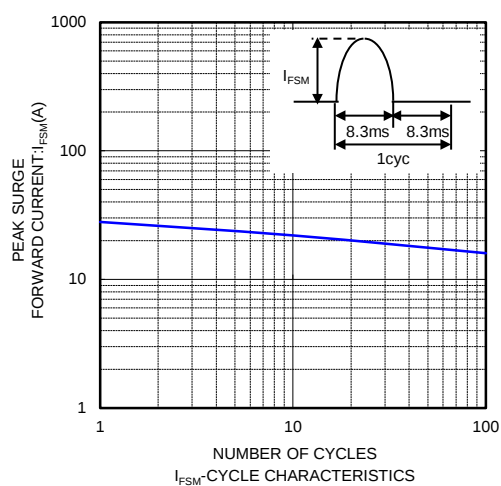
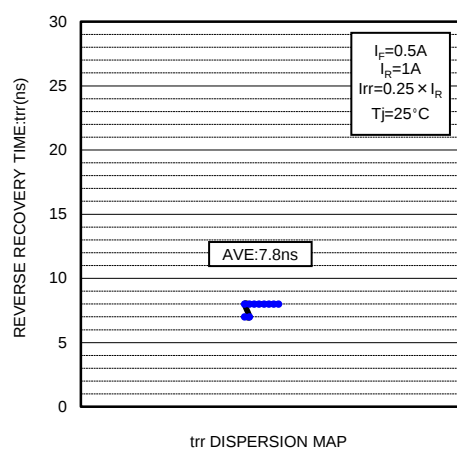
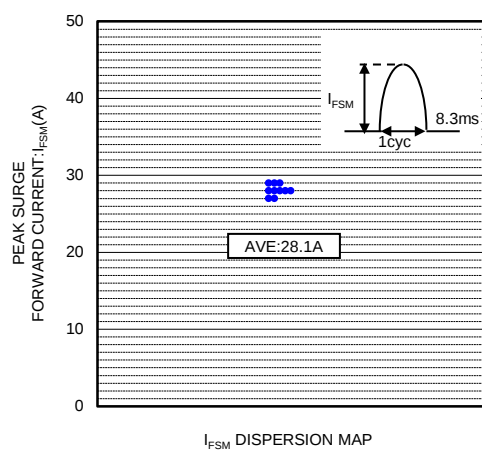
●Absolute maximum ratings (Ta=25°C)

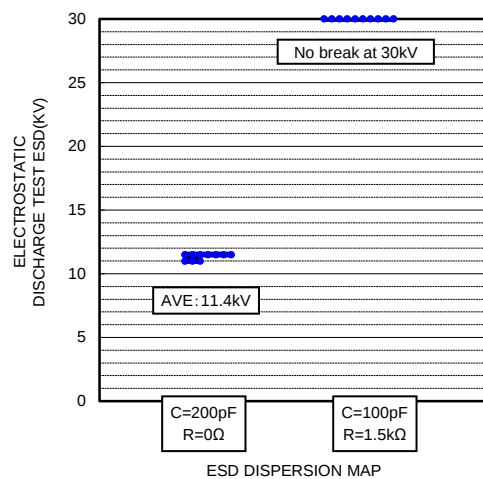
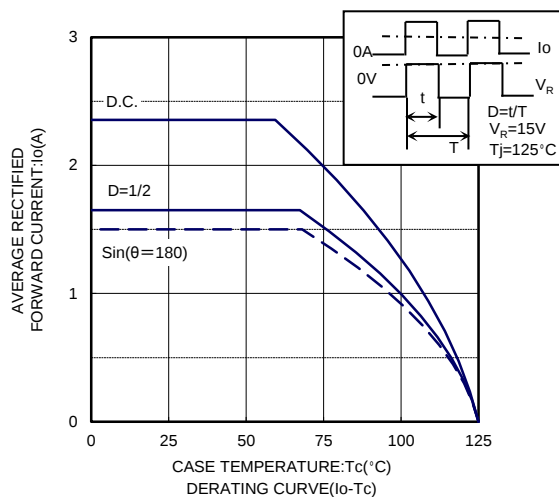
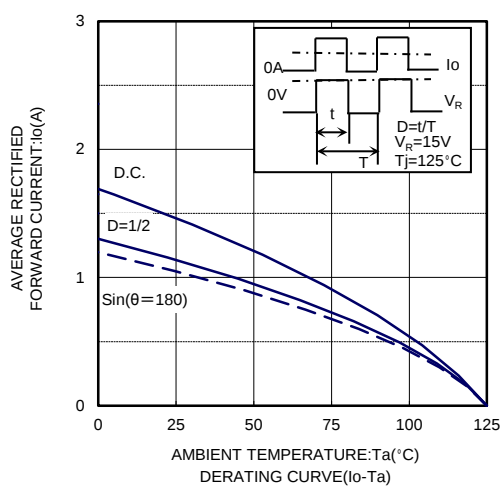
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V_{RM}	30	V
Reverse voltage (DC)	V_R	30	V
Average rectified forward current (On the Almina substrate)	I_O	1.5	A
Average rectified forward current (On the Glass epoxy substrate)	I_O	1.0	A
Forward current surge peak (60Hz · 1cyc)	I_{FSM}	8	A
Junction 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_{F1}	-	0.36	0.42	V	$I_F=1A$
	V_{F2}	-	0.40	0.46	V	$I_F=1.5A$
Reverse current	I_{R1}	-	15	60	μA	$V_R=5V$
	I_{R2}	-	70	300	μA	$V_R=30V$







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