

# Schottky Barrier Diode

## RSX201VA-30

#### Applications

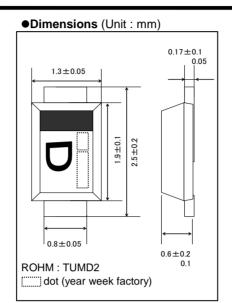
General rectification

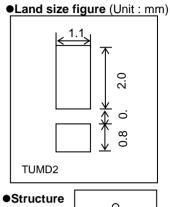
### ● Features

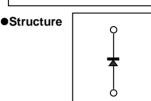
- 1)Small mold type (TUMD2) 2)Low  $V_F$ & Low  $I_R$
- 3)High reliability

#### Construction

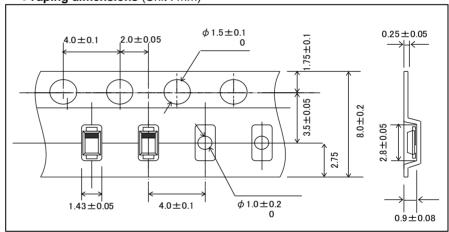
Silicon epitaxial planer







●Taping dimensions (Unit : mm)

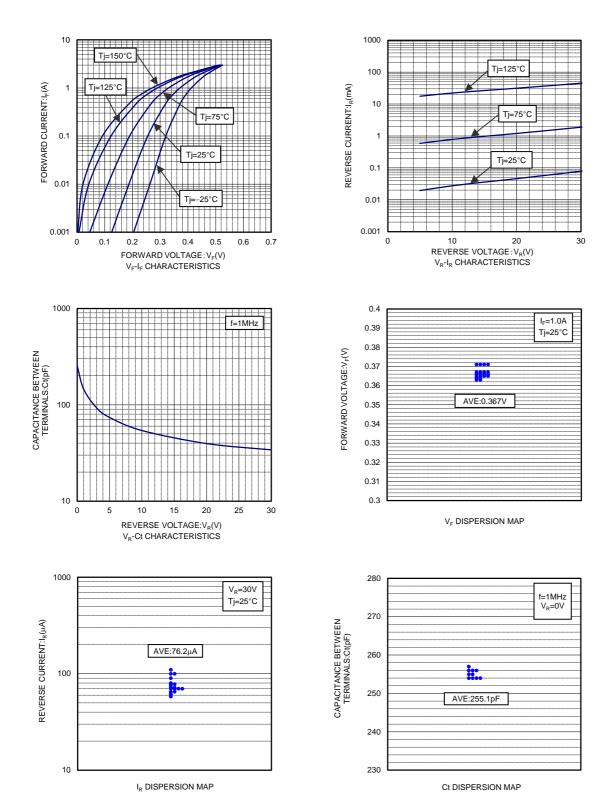


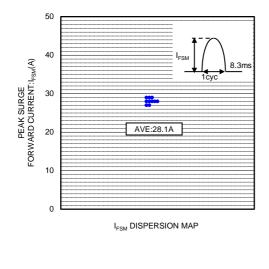
●Absolute maximum ratings (Ta=25°C)

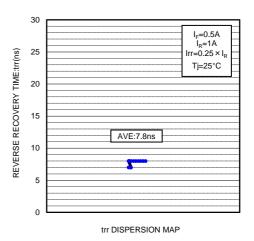
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	$V_{RM}$	30	V
Reverse voltage (DC)	$V_R$	30	V
Average rectified forward current (On the Almina substrate)	lo	1.5	А
Average rectified forward current (On the Glass epoxy substrate)	lo	1.0	А
Forward current surge peak (60Hz • 1cyc)	I <sub>FSM</sub>	8	Α
Junction temperature	Tj	125	°C
Storage temperature	Tstg	- 40 to +125	°C

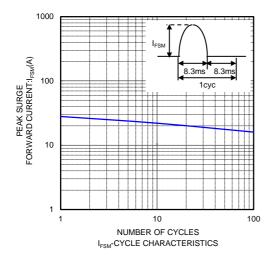
#### ●Electrical characteristics (Ta=25°C)

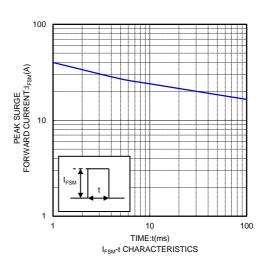
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	$V_{F1}$	-	0.36	0.42	V	I <sub>F</sub> =1A
	$V_{F2}$	1	0.40	0.46	V	I <sub>F</sub> =1.5A
Reverse current	I <sub>R1</sub>	1	15	60	μΑ	V <sub>R</sub> =5V
	I <sub>R</sub> 2	ı	70	300	μA	V <sub>R</sub> =30V

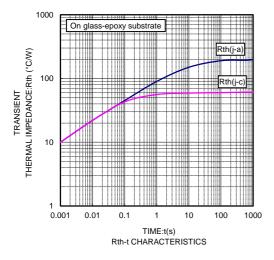


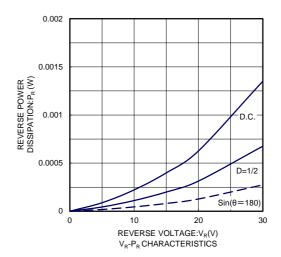


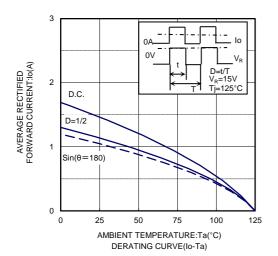


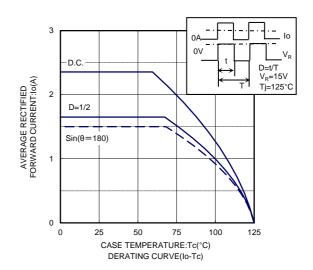


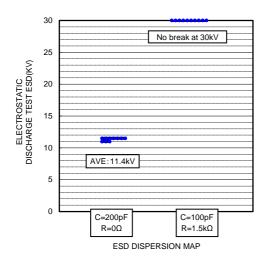












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