# Fast recovery diode **RF051VA2S**

#### Applications

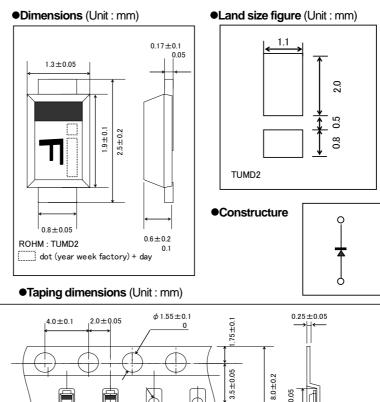
High speed switching

### Features

- 1) Small mold type
- (TUMD2)
- 2) Ultra high switching speed
- 3) High reliability.

#### Constructure

Silicon epitaxial planar



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### •Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V <sub>RM</sub>	200	V
Reverse voltage (DC)	V <sub>R</sub>	200	V
Average rectified forward current	lo	0.5	А
Forward current surge peak (60Hz · 1cyc)	I <sub>FSM</sub>	5	А
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	S

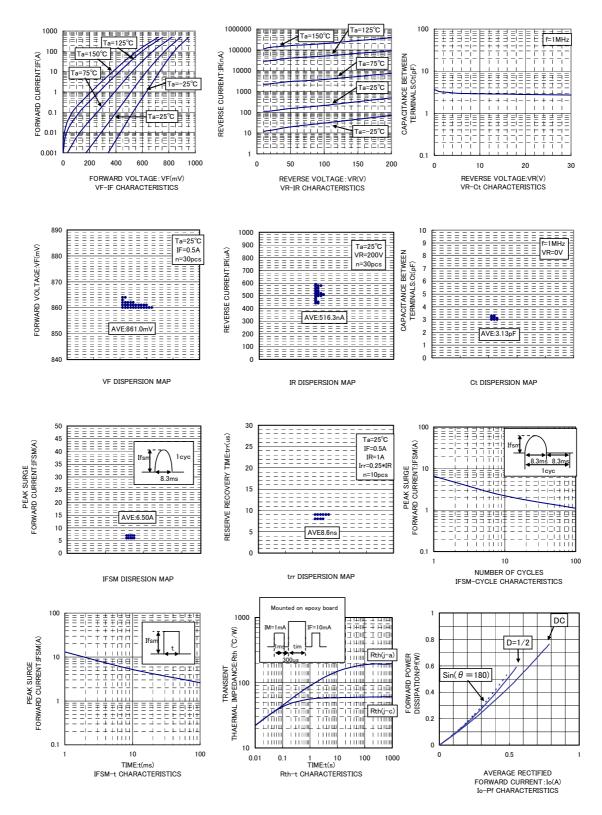
#### •Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub>	-	-	0.98	V	I <sub>F</sub> =0.5A
Reverse current	I <sub>R</sub>	-	-	10	μA	V <sub>R</sub> =200V
Reverse recovery time	trr	-	-	25	ns	I <sub>F</sub> =0.5A,I <sub>R</sub> =1A,Irr=0.25*IR

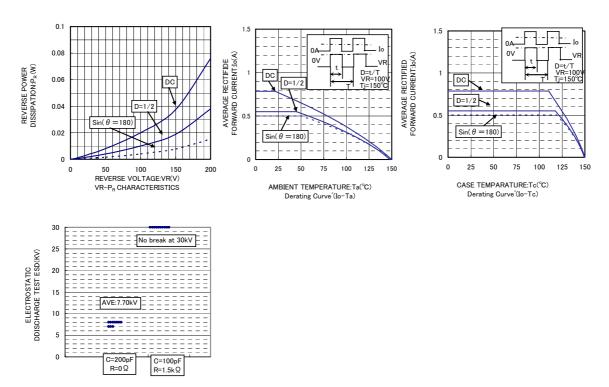


# Diodes

#### Electrical characteristic curves



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ESD DISPERSION MAP

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