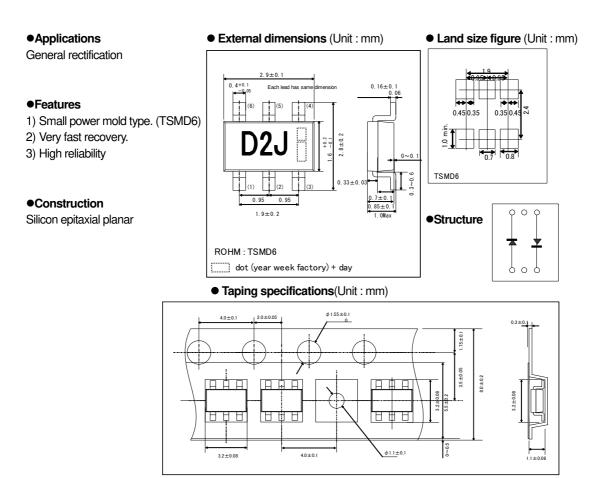
# Fast recovery diode **RF051UA1D**



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

Parameter	Symbol	Limits	Unit
Reverse voltage (repatitive peak)	V <sub>RM</sub>	100	V
Reverse voltage (DC)	V <sub>R</sub>	100	V
Average rectified forward current (*1)	lo	0.5	A
Forward current surge peak (60Hz-1cyc)	I <sub>FSM</sub>	5	А
Junction temperature	Tj	150	S
Storage temperature	Tstg	-55 to +150	S

(\*1) Rating for a per diode

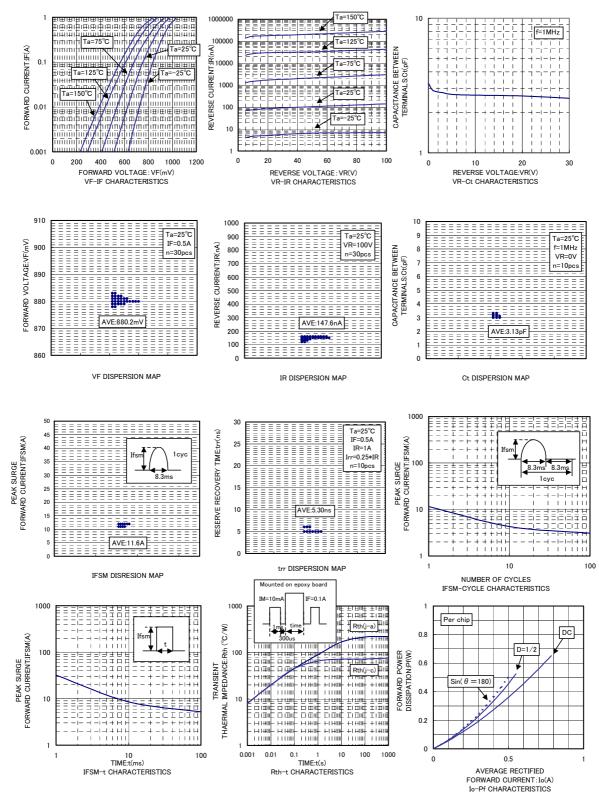
## •Electrical characteristics (Ta=25°C)

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> =100V
Reverse recovery time	trr	-	-	25	ns	I <sub>F</sub> =0.5A,I <sub>R</sub> =1A,Irr=0.25*I <sub>R</sub>

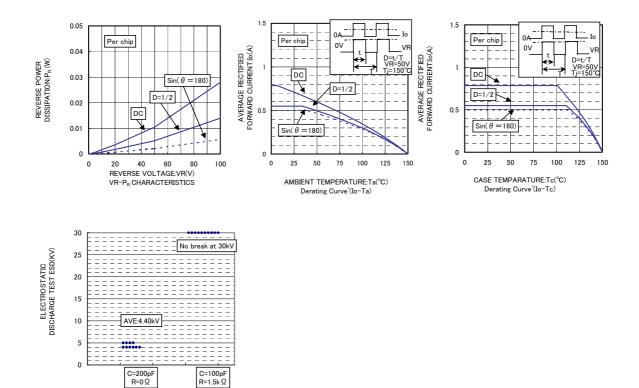


# Diodes

●Electrical characteristic curves (Ta=25°C)



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