

Super Fast Recovery Diode

RF04UA2D

●Series

Standard Fast Recovery

●Applications

High frequency rectification

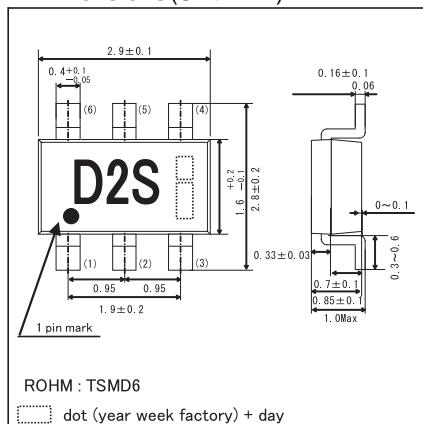
●Features

- 1)Surface mounting type (TSMD6)
- 2)High reliability

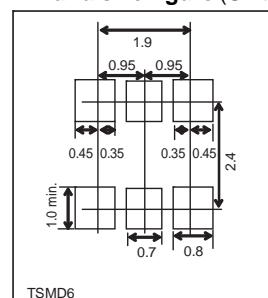
●Construction

Silicon epitaxial planer

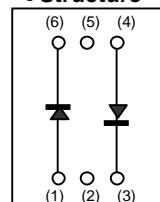
●Dimensions (Unit : mm)



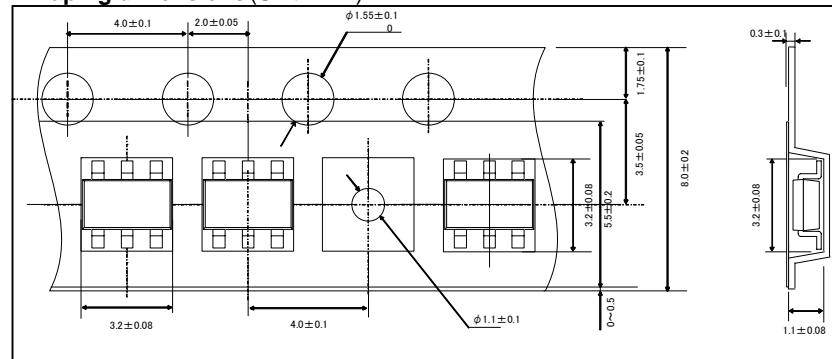
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

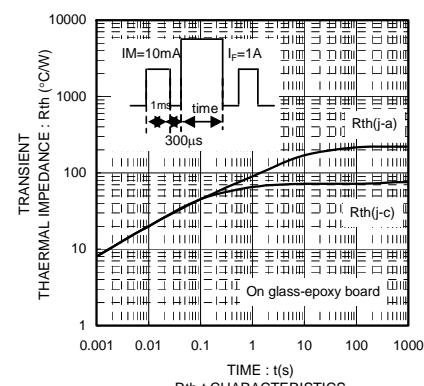
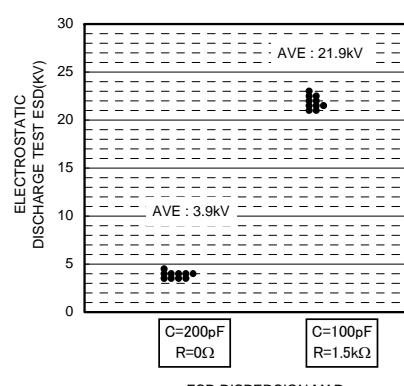
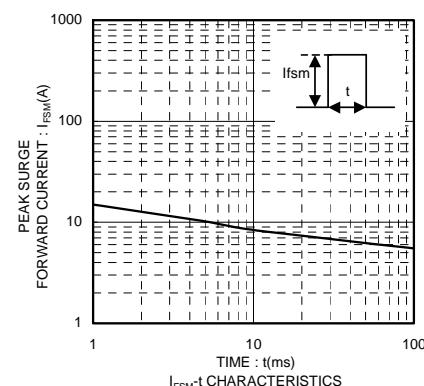
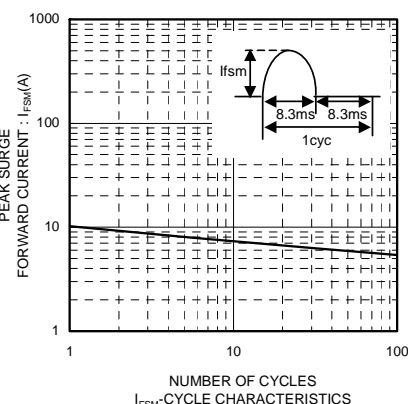
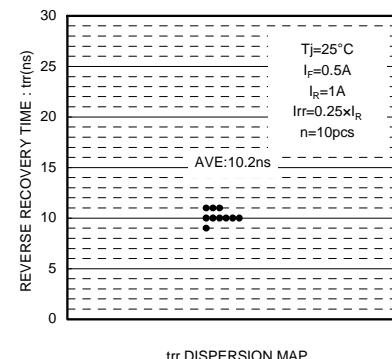
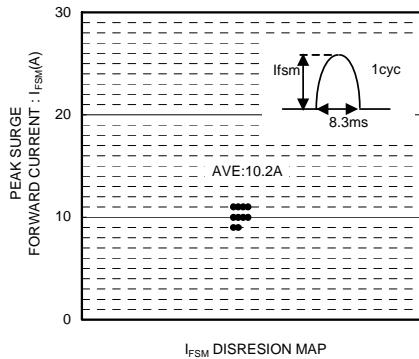
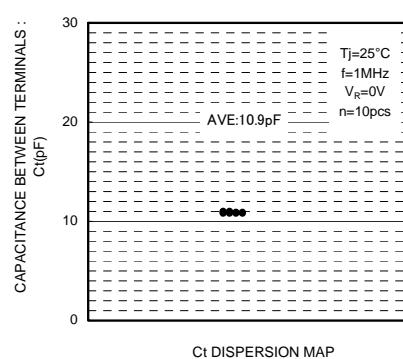
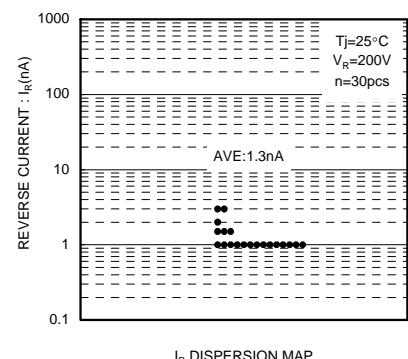
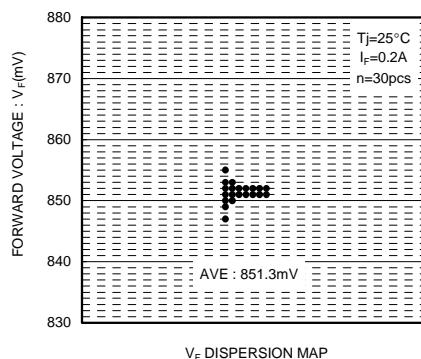
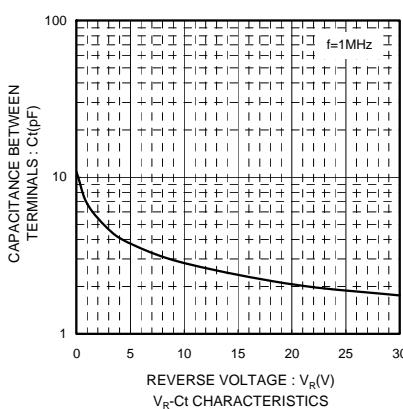
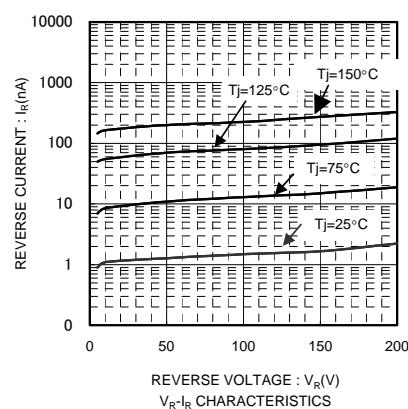
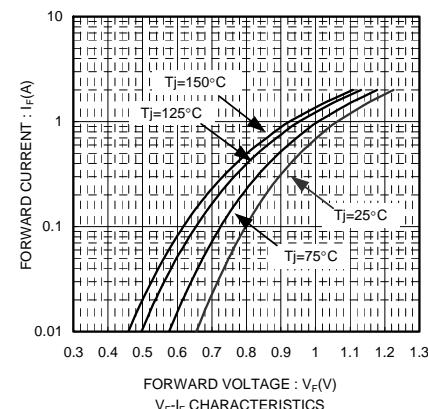
Parameter	Symbol	Conditions	Limits	Unit
Repetitive peak Reverse voltage	V _{RM}		200	V
Reverse voltage	V _R	Direct voltage	200	V
Average rectified forward current	I _o /2	Glass epoxy substrate mounted 60Hz half sin wave, resistive load	0.4	A
		T _a =25°C T _c =130°C		
Forward current surge peak	I _{FSM}	60Hz half sin wave, Non-repetitive one cycle peak value, T _j =25°C	1	A
Junction temperature	T _j		150	°C
Storage temperature	T _{stg}		-40 to +150	°C

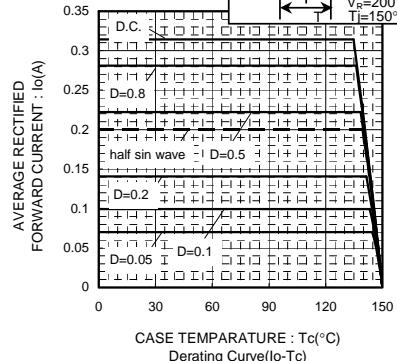
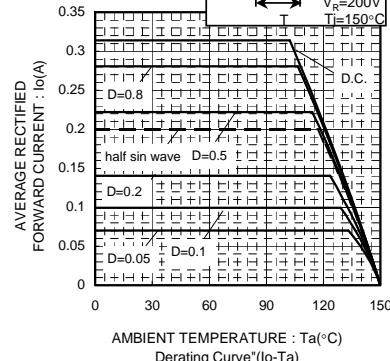
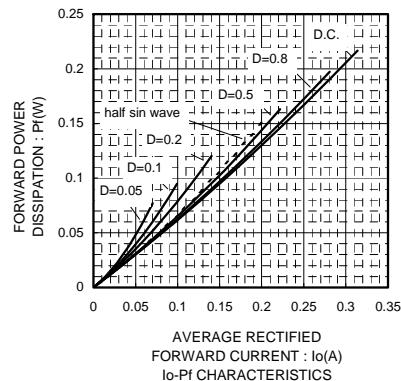
(* Standard of per diode)

●Electrical characteristics (T_j=25°C)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward voltage	V _F	I _F =0.2A	—	0.86	0.98	V
Reverse current	I _R	V _R =200V	—	0.01	10	μA
Reverse recovery time	trr	I _F =0.5A, I _R =1A, I _{rr} =0.25xI _R	—	11	25	ns

●Electrical characteristics curves





Notes

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