

Super Fast Recovery Diode

RF04UA2D

●Series

Standard Fast Recovery

●Applications

High frequency rectification

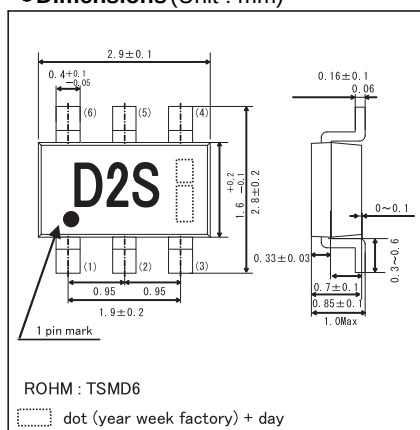
●Features

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

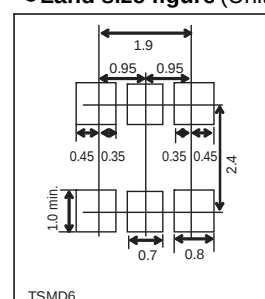
●Construction

Silicon epitaxial planer

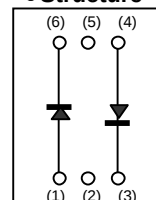
● **Dimensions** (Unit : mm)



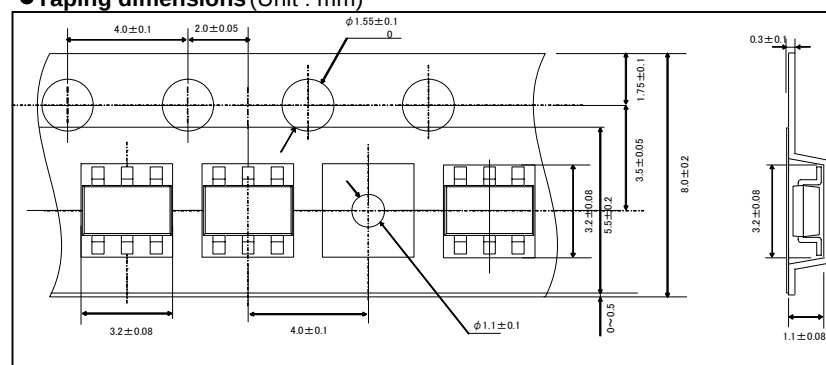
●Land size figure (Unit : mm)



● Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

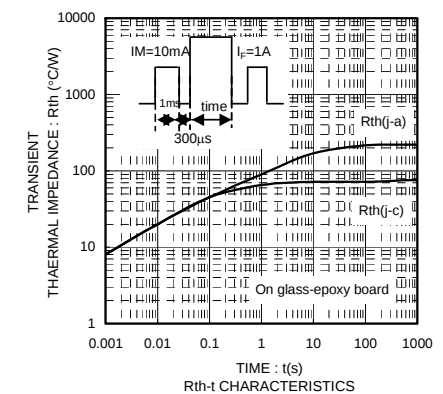
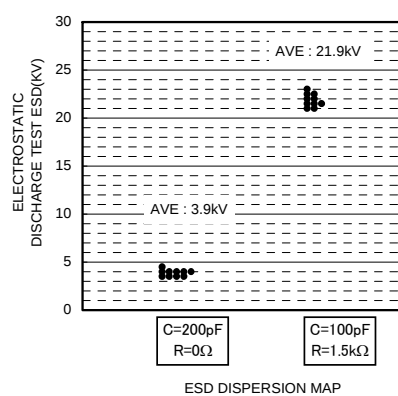
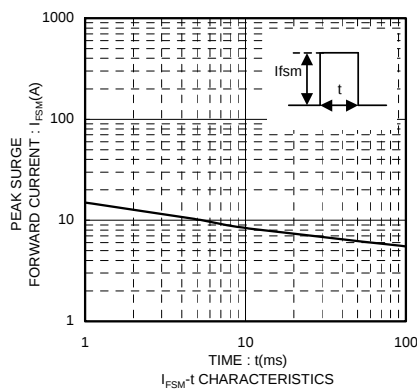
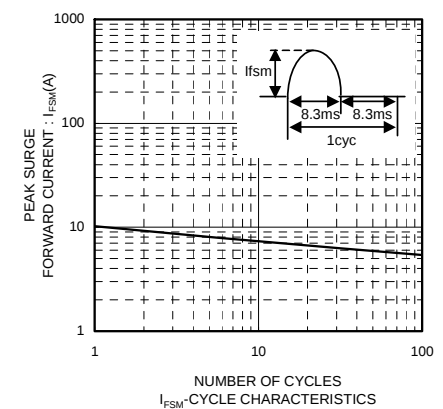
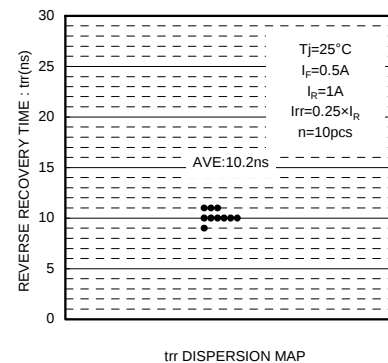
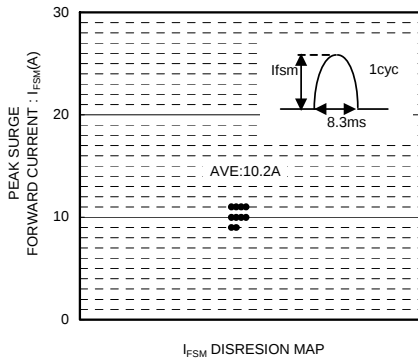
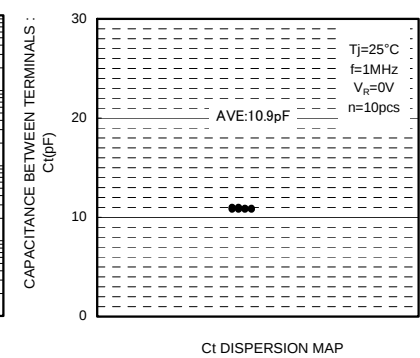
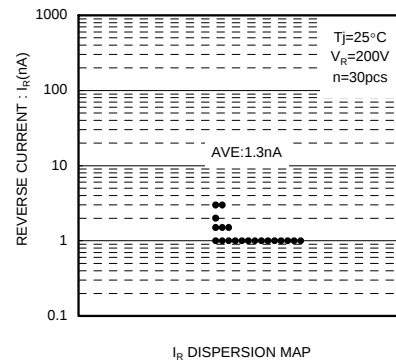
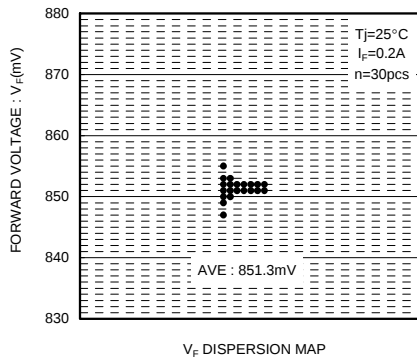
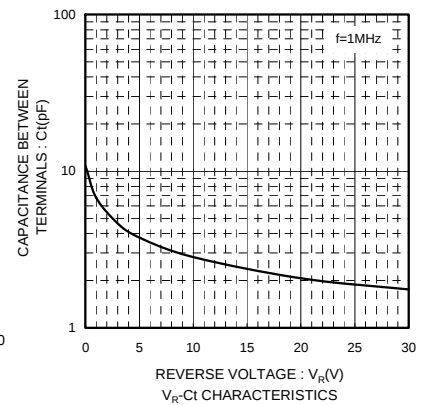
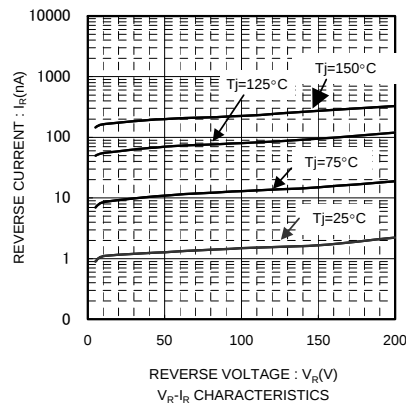
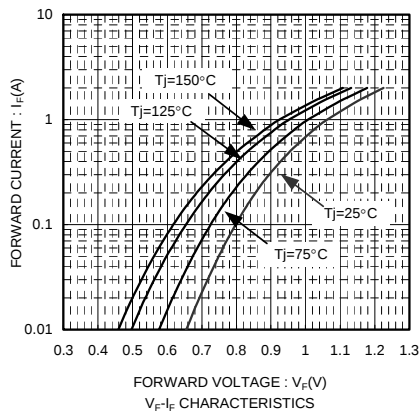
Parameter	Symbol	Conditions		Limits	Unit
Repetitive peak Reverse voltage	V _{RM}			200	V
Reverse voltage	V _R	Direct voltage		200	V
Average rectified forward current	I _o /2	Glass epoxy substrate mounted 60Hz half sin wave, resistive load	T _a =25°C T _c =130°C	0.4	A
Forward current surge peak	I _{FSM}	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

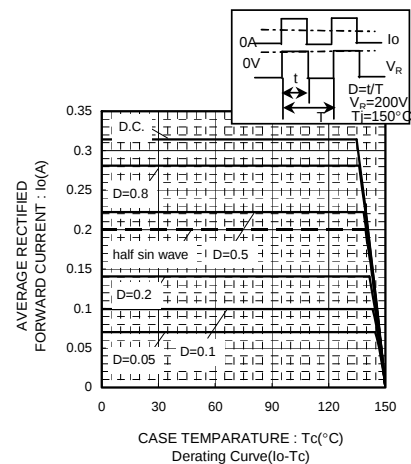
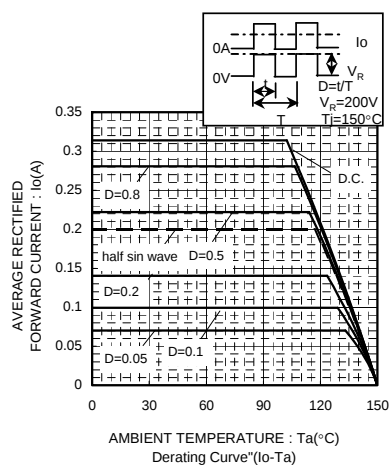
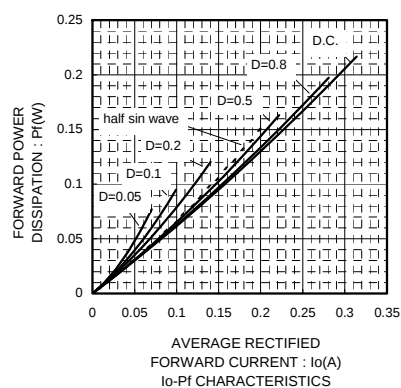
(* Standard of per diode)

●Electrical characteristics (Tj=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	t_{rr}	$I_F=0.5A, I_R=1A, I_{rr}=0.25 \times I_R$	—	11	25	ns

●Electrical characteristics curves





Notes

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