

Super Fast Recovery Diode

RF04UA2D

● **Series**

Standard Fast Recovery

● **Applications**

High frequency rectifier

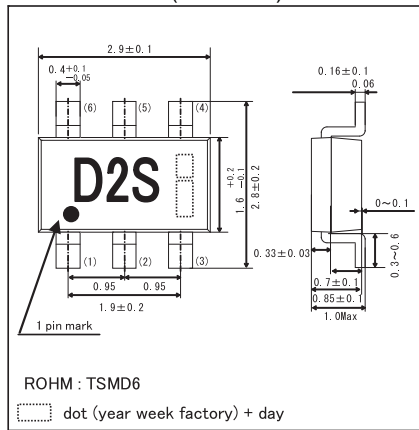
● **Features**

- 1) Surface mounting type (TSM6)
- 2) High reliability

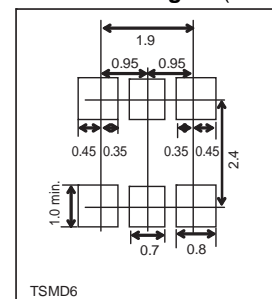
● **Construction**

Silicon epitaxial planer

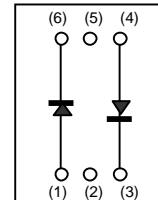
● **Dimensions (Unit : mm)**



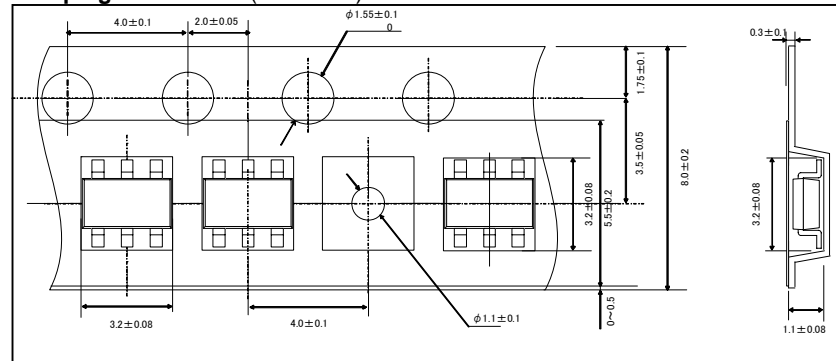
● **Land size figure (Unit : mm)**



● **Structure**



● **Taping dimensions (Unit : mm)**



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

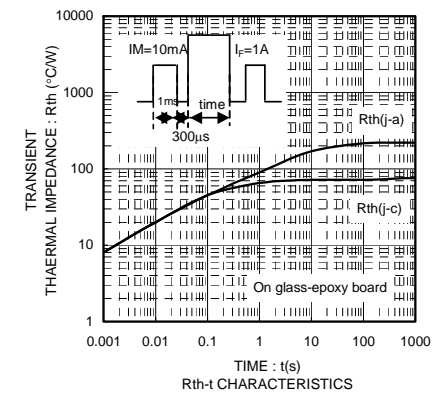
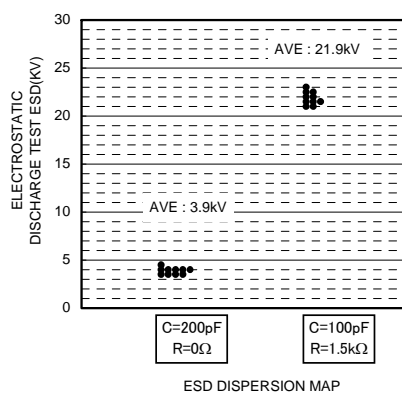
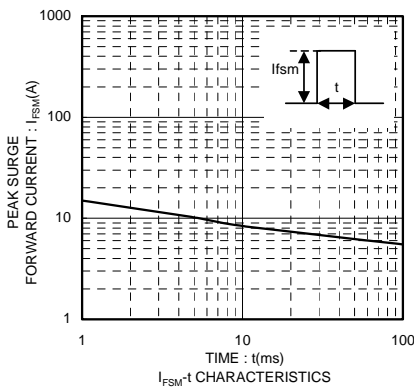
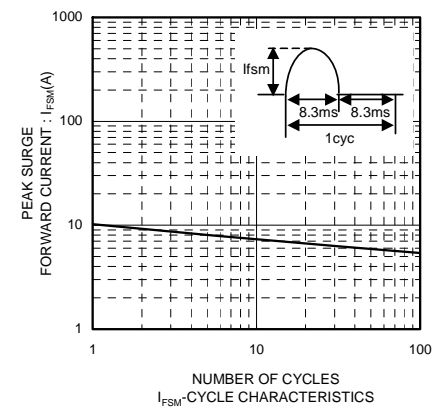
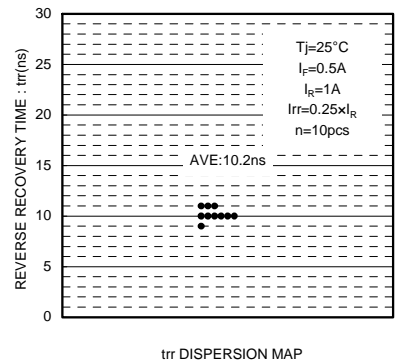
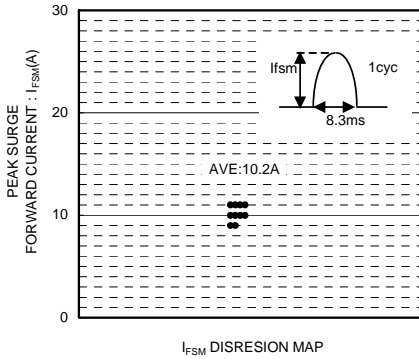
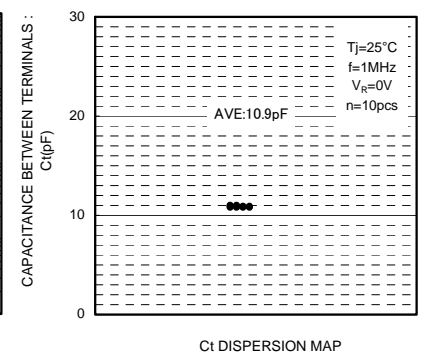
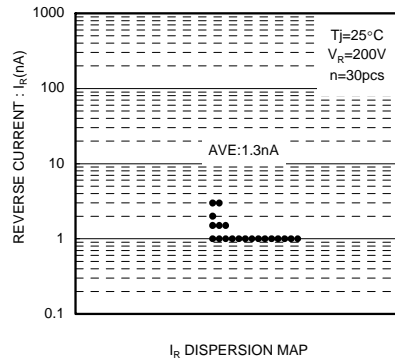
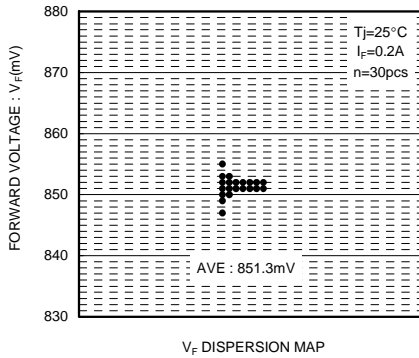
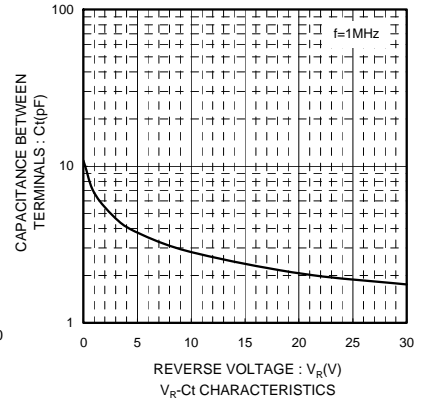
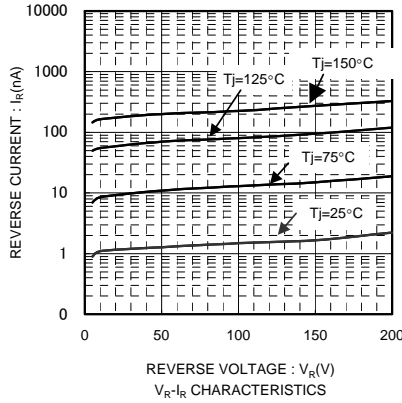
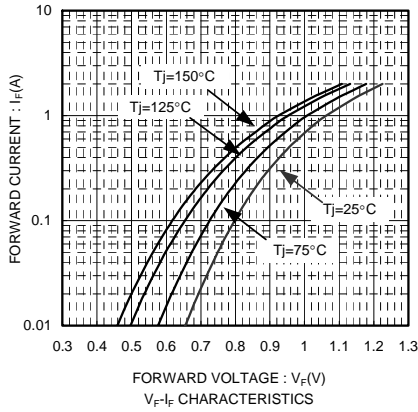
Parameter	Symbol	Conditions	Limits	Unit	
Repetitive peak Reverse voltage	V_{RM}		200	V	
Reverse voltage	V_R	Direct voltage	200	V	
Average rectified forward current	$I_{o/2}$	Glass epoxy substrate mounted 60Hz half sin wave, resistive load	$T_a=25^\circ C$ $T_c=130^\circ C$	0.4	A
Forward current surge peak	I_{FSM}	60Hz half sin wave, Non-repetitive one cycle peak value, $T_j=25^\circ C$	1	A	
Junction temperature	T_j		150	°C	
Storage temperature	T_{stg}		-40 to +150	°C	

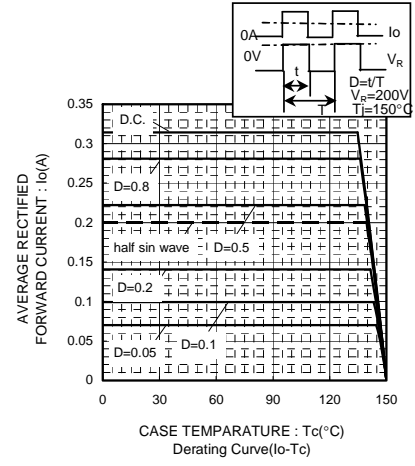
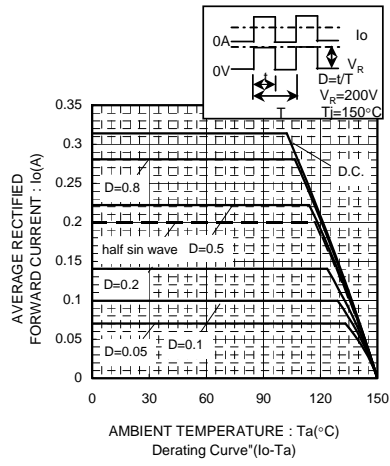
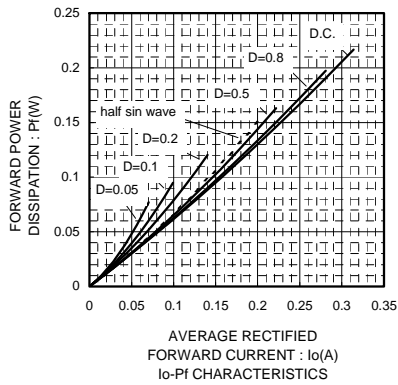
(* Standard of per diode)

● **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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