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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# Super Fast Recovery Diode

## RF04UA2D

### ●Series

Standard Fast Recovery

### ●Applications

High frequency rectification

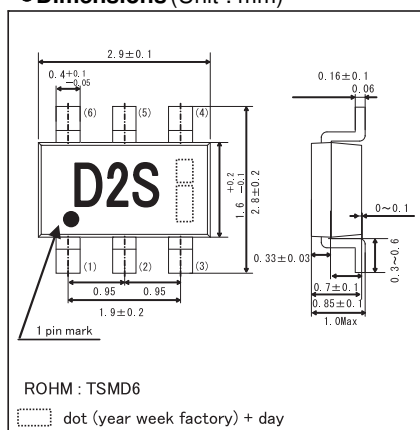
### ●Features

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

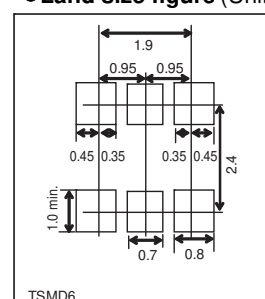
### ●Construction

Silicon epitaxial planer

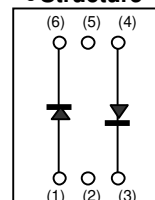
### ●Dimensions (Unit : mm)



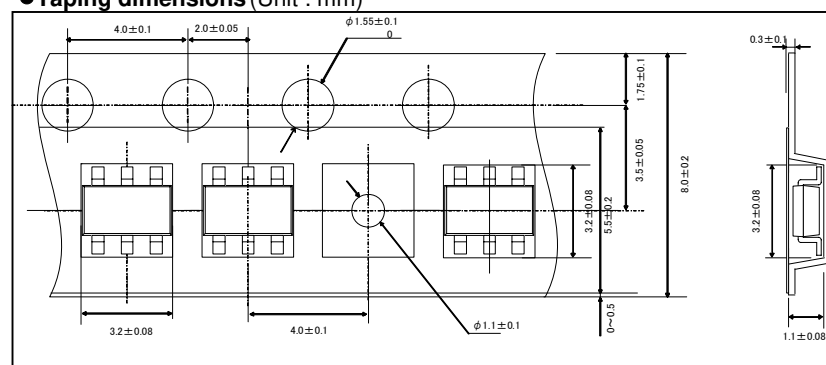
### ●Land size figure (Unit : mm)



### ●Structure



### ●Taping dimensions (Unit : mm)



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

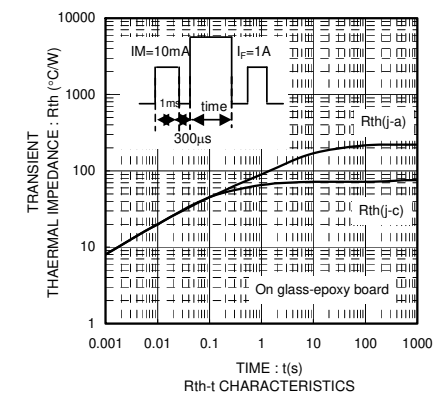
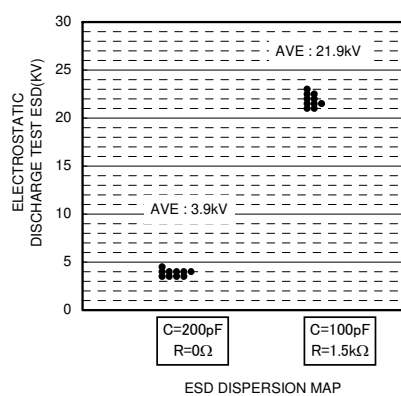
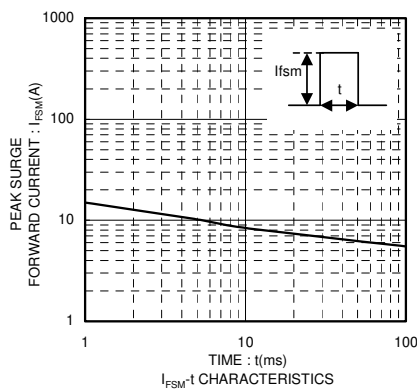
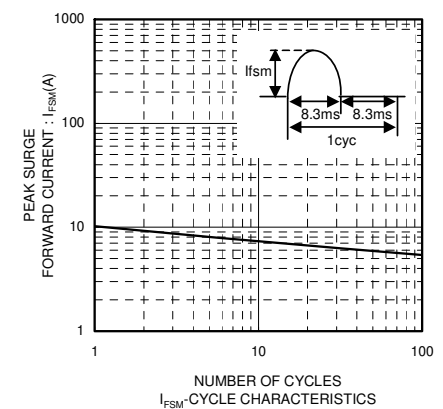
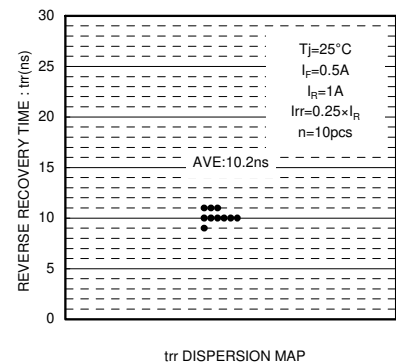
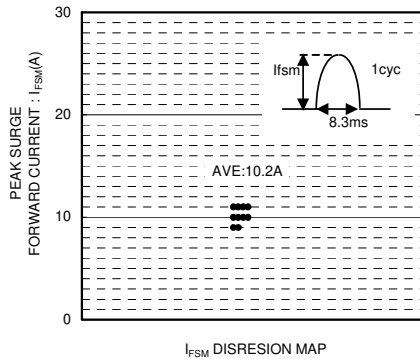
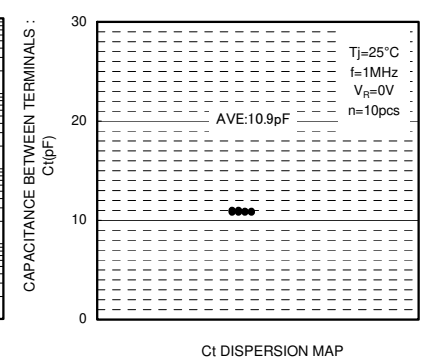
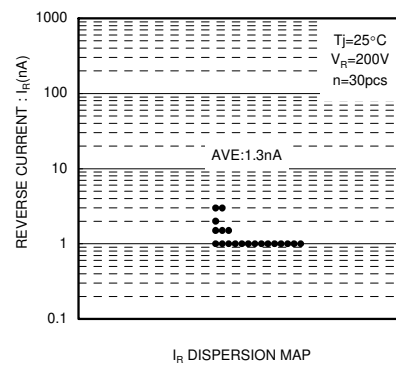
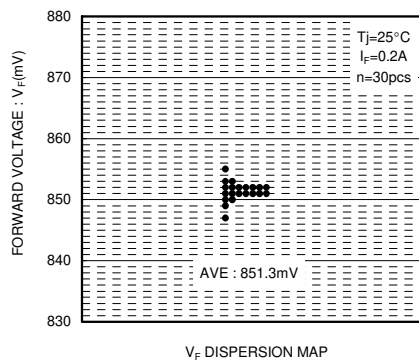
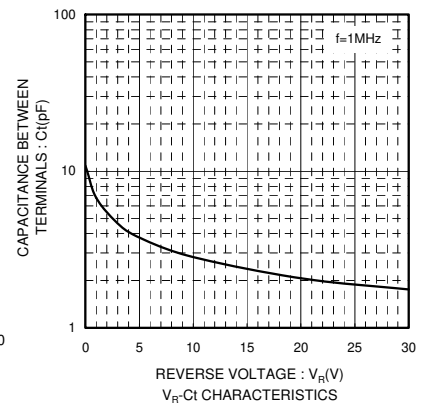
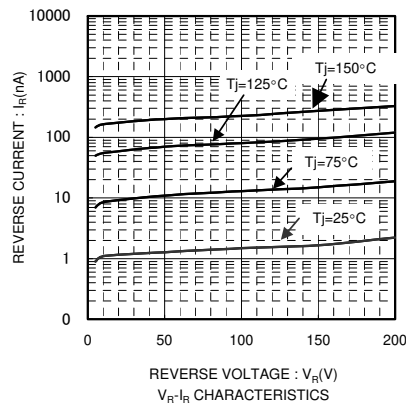
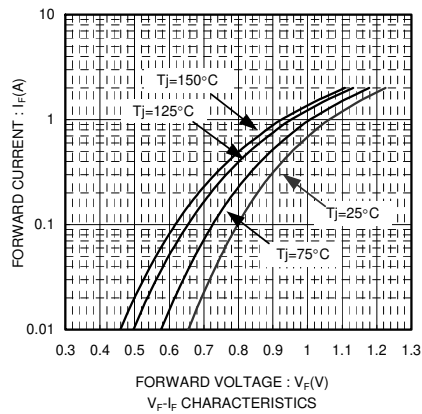
Parameter	Symbol	Conditions		Limits	Unit
Repetitive peak Reverse voltage	V <sub>RM</sub>			200	V
Reverse voltage	V <sub>R</sub>	Direct voltage		200	V
Average rectified forward current	I <sub>o</sub> /2	Glass epoxy substrate mounted 60Hz half sin wave, resistive load	T <sub>a</sub> =25°C T <sub>c</sub> =130°C	0.4	A
Forward current surge peak	I <sub>FSM</sub>	60Hz half sin wave, Non-repetitive one cycle peak value, T <sub>j</sub> =25°C		1	A
Junction temperature	T <sub>j</sub>			150	°C
Storage temperature	T <sub>stg</sub>			-40 to +150	°C

(\* Standard of per diode)

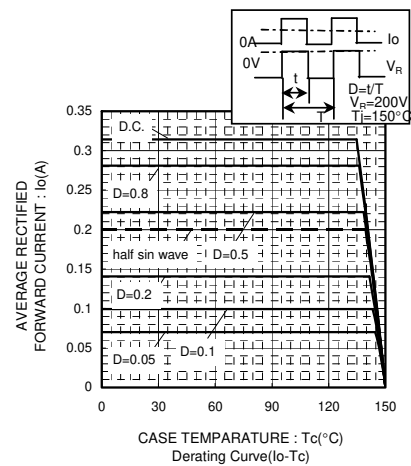
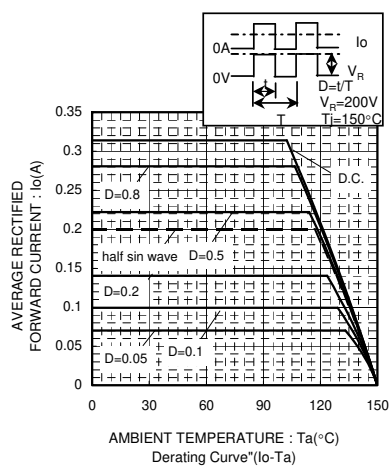
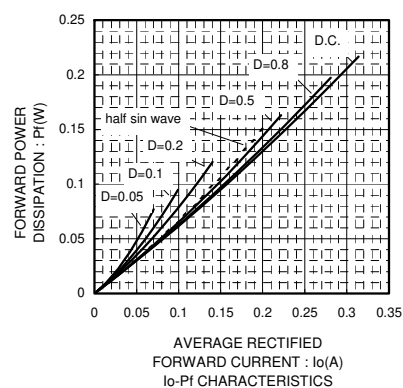
### ●Electrical characteristics (Tj=25°C)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward voltage	$V_F$	$I_F=0.2\text{A}$	—	0.86	0.98	V
Reverse current	$I_R$	$V_R=200\text{V}$	—	0.01	10	μA
Reverse recovery time	$t_{rr}$	$I_F=0.5\text{A}, I_R=1\text{A}, I_{rr}=0.25 \times I_R$	—	11	25	ns

## ●Electrical characteristics curves







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