

Super Fast Recovery Diode

RF04UA2D

Series

Standard Fast Recovery

Applications

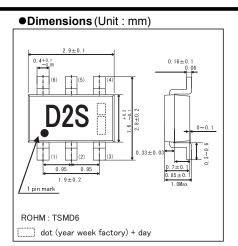
High frequency rectification

Features

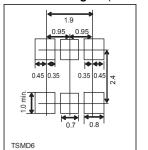
- 1)Surface mounting type (TSMD6)
- 2)High reliability

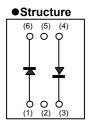
Construction

Silicon epitaxial planer

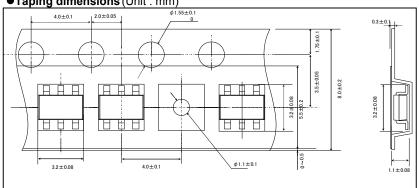


●Land size figure (Unit : mm)









●Absolute maximum ratings (Ta=25°C)

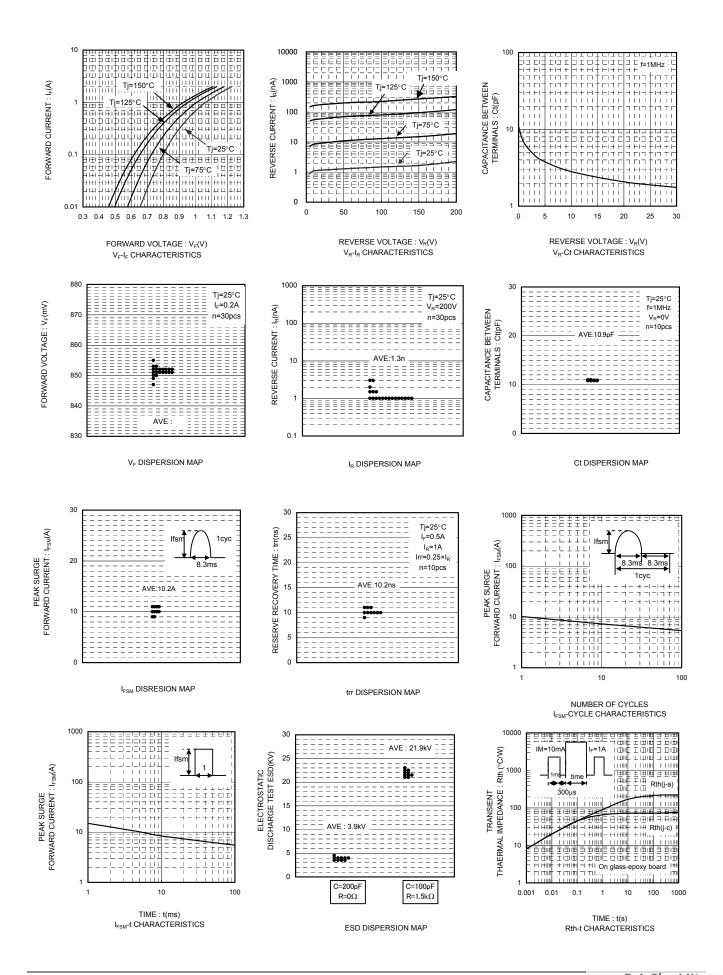
Parameter	Symbol	Conditions	Limits	Unit
Repetitive peak Reverse voltage	V_{RM}		200	V
Reverse voltage	V_R	Direct voltage	200	V
Average rectified forward current	lo/2	Glass epoxy substrate mounted Ta=25°C 60Hz half sin wave,resistive load Tc=130°C	0.4	А
Forward current surge peak	I _{FSM}	60Hz half sin wave, Non-repetitive one cycle peak value, Tj=25°C	1	А
Junction temperature	Tj		150	°C
Storage temperature	Tstg		-40 to +150	°C

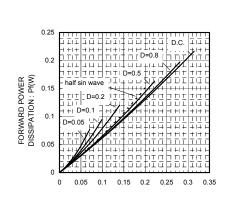
(* Standard of per diode)

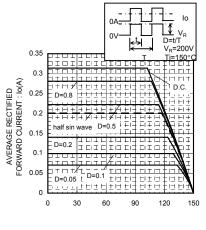
●Electrical characteristics (Tj=25°C)

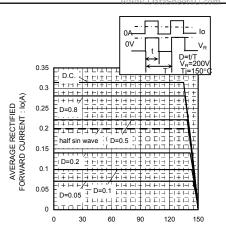
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Parameter	Symbol	Conditions	Min.	Тур.	Max.	Unit
Forward voltage	V_{F}	I _F =0.2A	_	0.86	0.98	V
Reverse current	I _R	V _R =200V	_	0.01	10	μΑ
Reverse recovery time	trr	I _F =0.5A,I _R =1A,Irr=0.25×I _R	_	11	25	ns

•Electrical characteristics curves









AVERAGE RECTIFIED FORWARD CURRENT : Io(A) Io-Pf CHARACTERISTICS

AMBIENT TEMPERATURE : Ta(°C)
Derating Curve"(Io-Ta)

CASE TEMPARATURE : Tc(°C)
Derating Curve(Io-Tc)

Notes

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