

Rectifier Diode

RRE02VS4S

●Applications

General Rectification

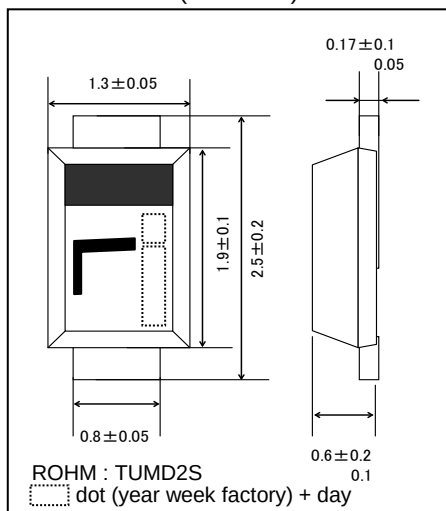
●Features

- 1) Low V_F
- 2) Small mold type. (TUMD2S)

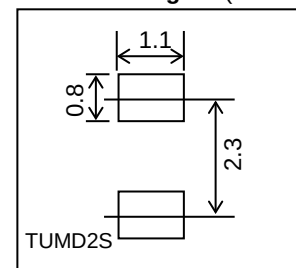
●Construction

Silicon epitaxial planer

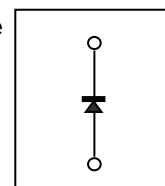
●Dimensions (Unit : mm)



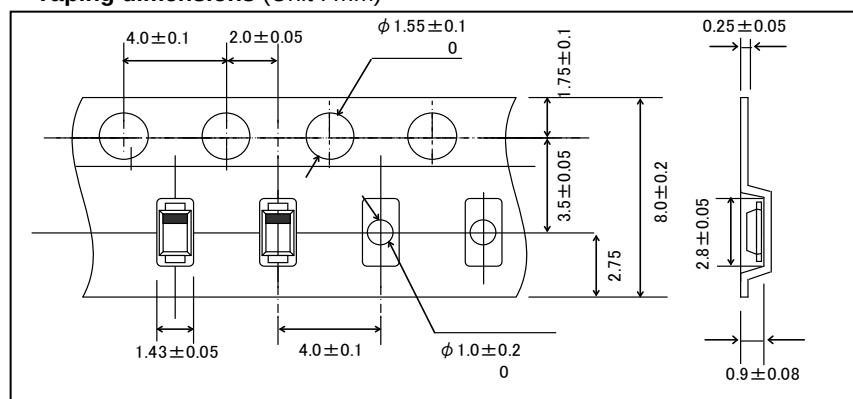
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)

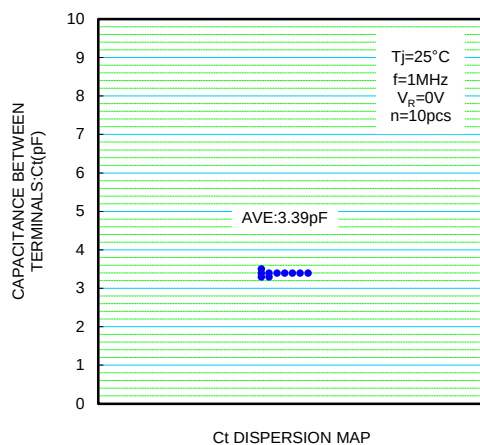
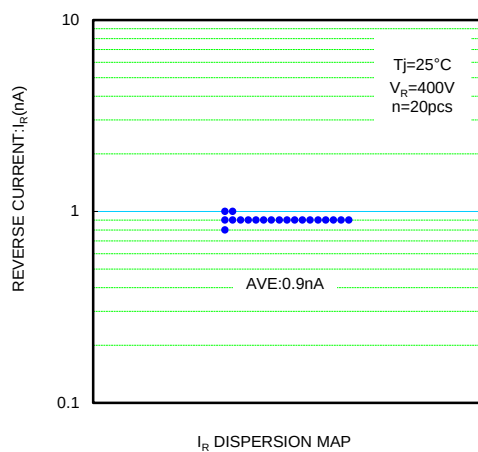
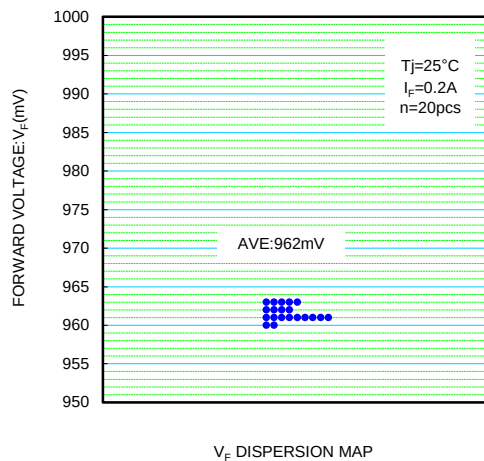
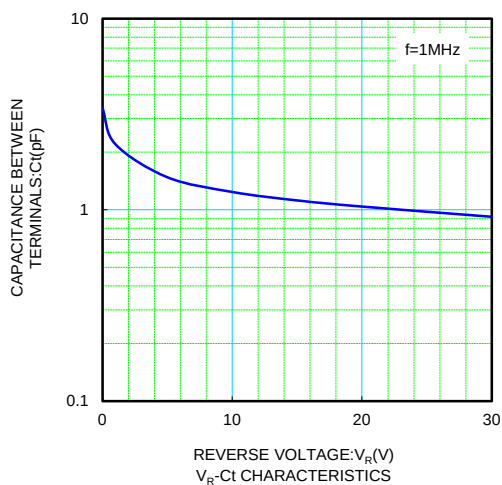
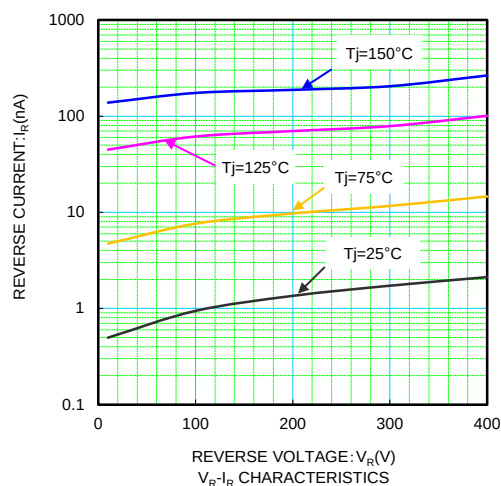
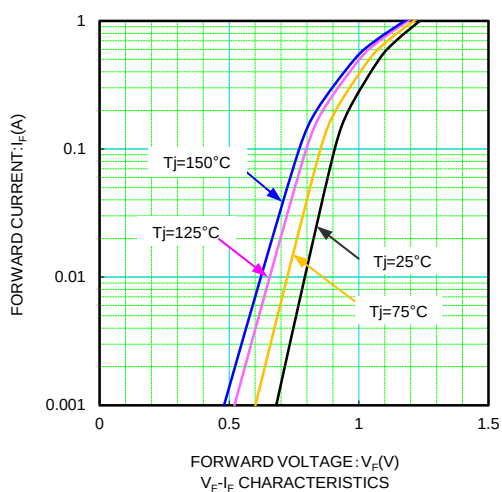


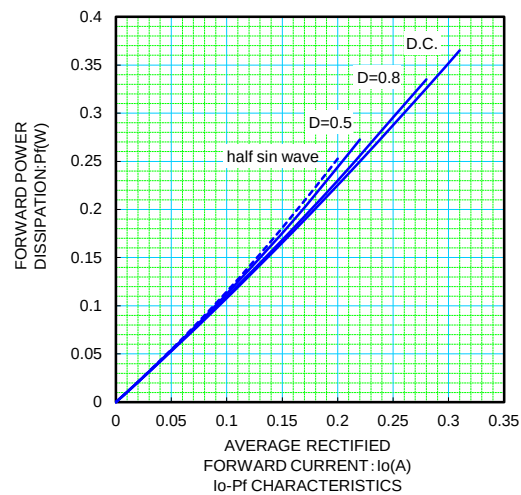
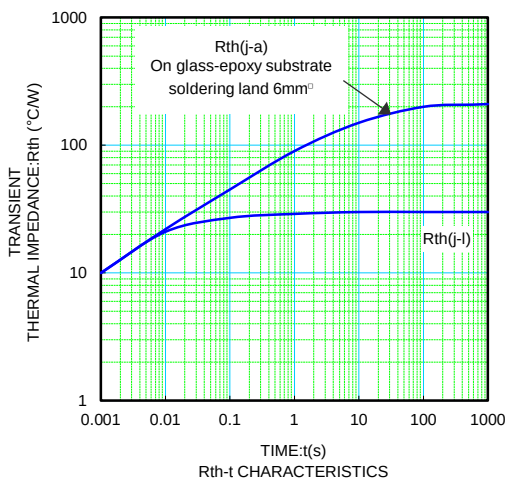
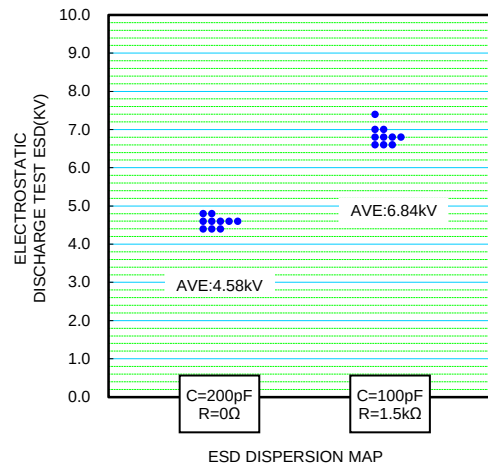
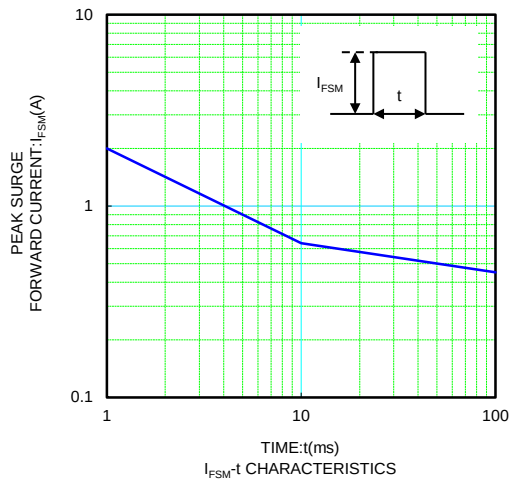
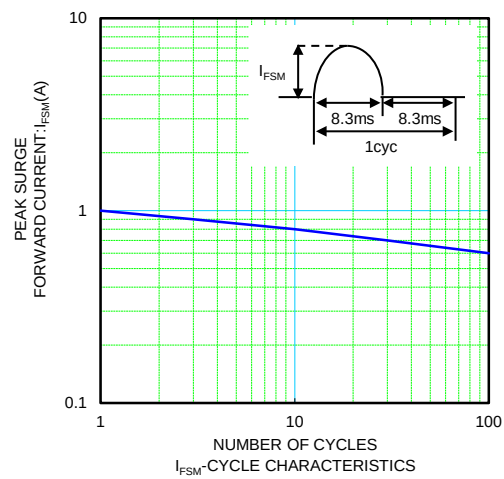
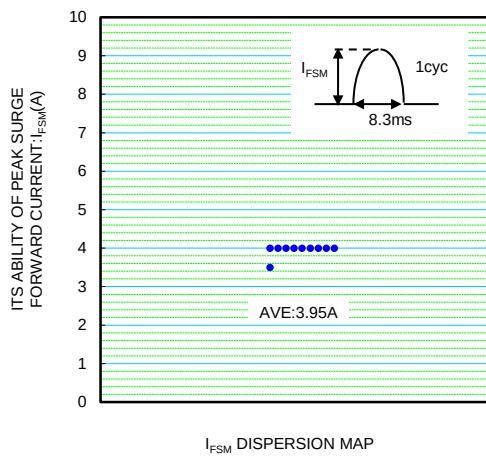
●Absolute maximum ratings (Tc=25°C)

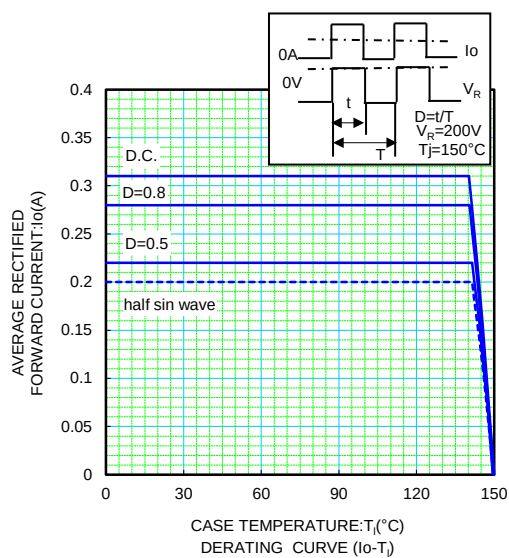
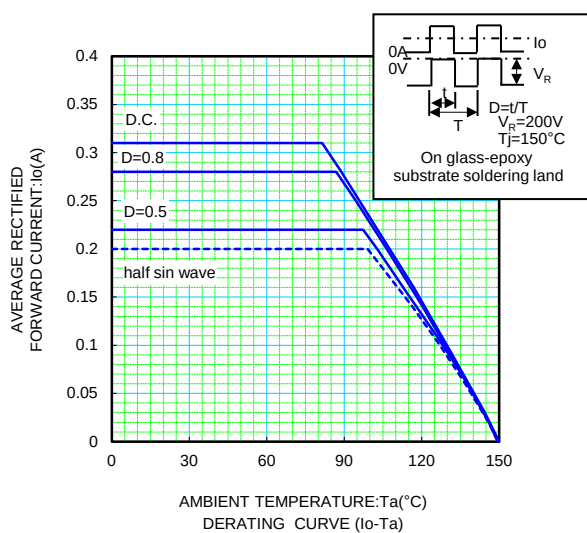
Parameter	Symbol	Conditions	Limits	Unit
Repetitive peak Reverse voltage	V_{RM}	$D \leq 0.5$	400	V
Reverse voltage	V_R	Direct voltage	400	V
Average rectified forward current	I_o	Glass epoxy substrate mounted R-road, 60Hz half sin wave	0.2	A
Forward current surge peak	I_{FSM}	60Hz half sin wave, Non-repetitive one cycle peak value, $T_j = 25^\circ\text{C}$	1	A
Junction temperature	T_j		150	°C
Storage temperature	T_{stg}		- 55 to +150	°C

●Electrical characteristics (Tj=25°C)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward voltage	V_F	$I_F = 0.2\text{A}$	—	0.95	1.1	V
Reverse current	I_R	$V_R = 400\text{V}$	—	0.01	1	μA







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