

# Rectifier Diode

## RRE04EA4D

### ●Applications

General Rectification

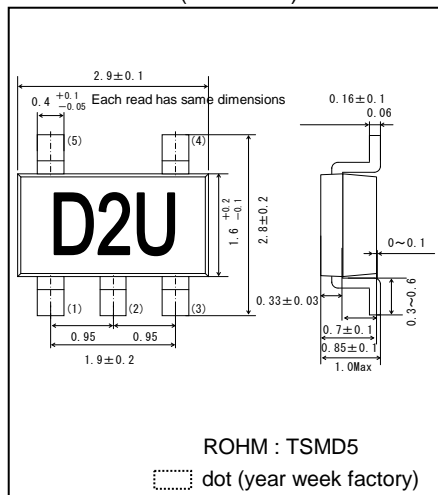
### ●Features

- 1) Small mold type. (TSMD5)
- 2) High Reliability.

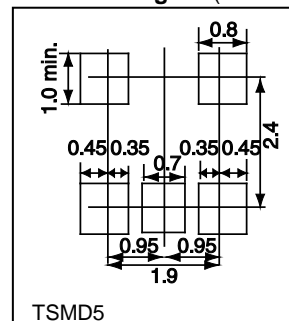
### ●Construction

Silicon epitaxial planer

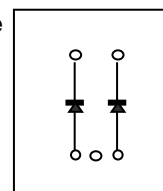
### ●Dimensions (Unit : mm)



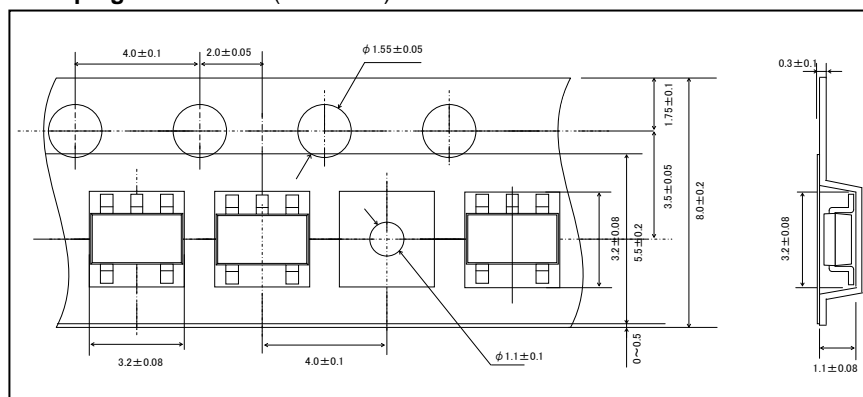
### ●Land size figure (Unit : mm)



### ●Structure



### ●Taping dimensions (Unit : mm)



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

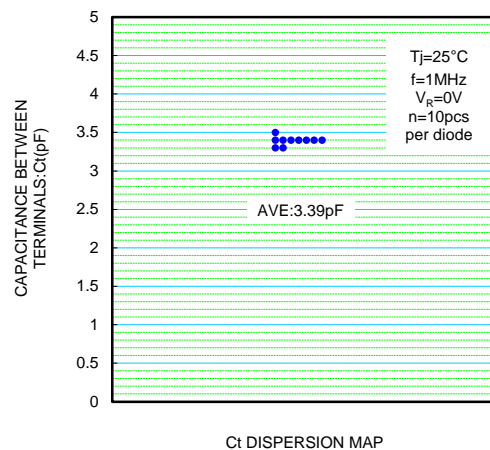
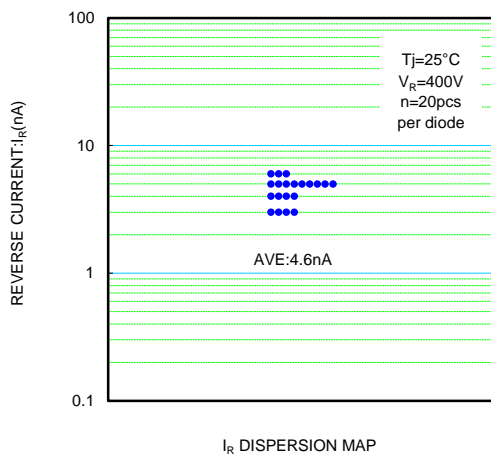
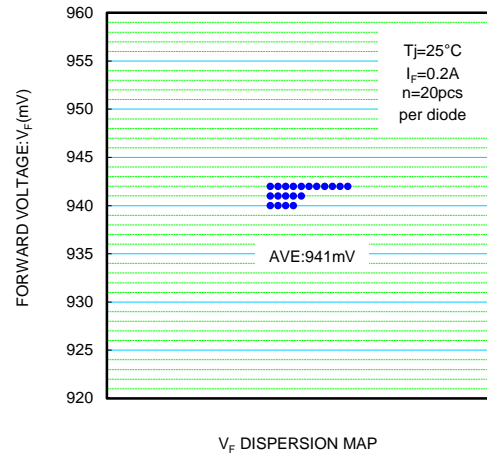
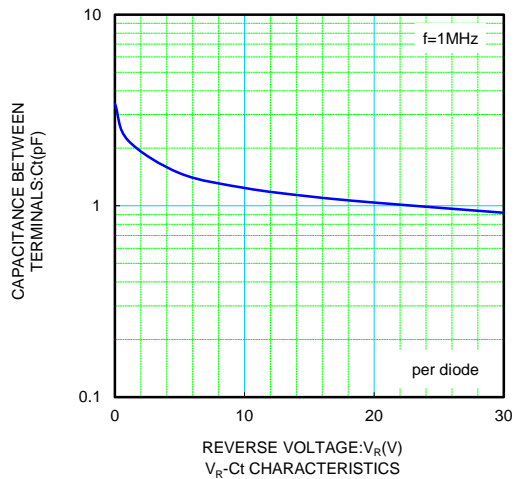
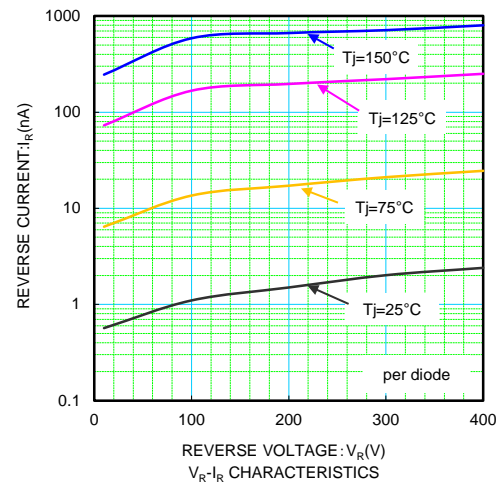
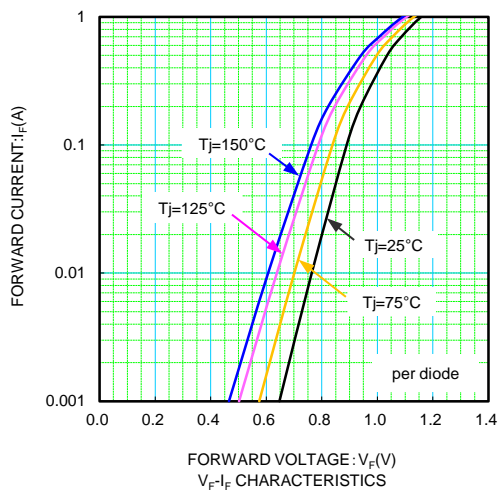
Parameter	Symbol	Conditions	Limits	Unit
Repetitive peak reverse voltage	$V_{RM}$	$D \leq 0.5$	400	V
Reverse voltage	$V_R$	Direct voltage	400	V
Average rectified forward current (*1)	$I_o$	Glass epoxy substrate mounted R-road, 60Hz half sin wave	0.4	A
Forward current surge peak	$I_{FSM}$	60Hz half sin wave, Non-repetitive one cycle peak value, $T_j = 25^\circ\text{C}$	2	A
Junction temperature	$T_j$		150	°C
Storage temperature	$T_{stg}$		- 55 to +150	°C

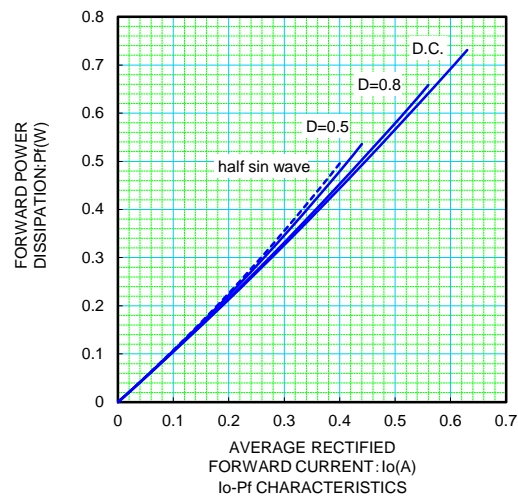
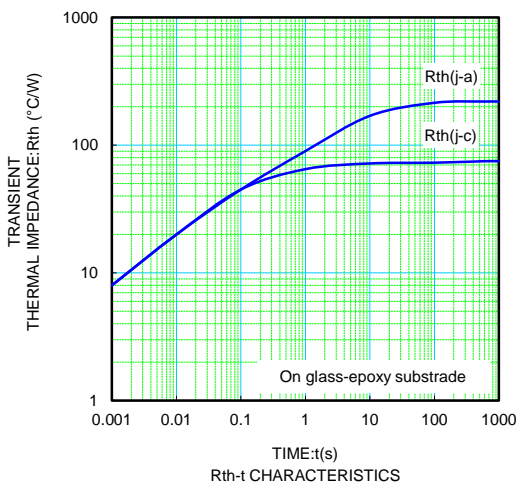
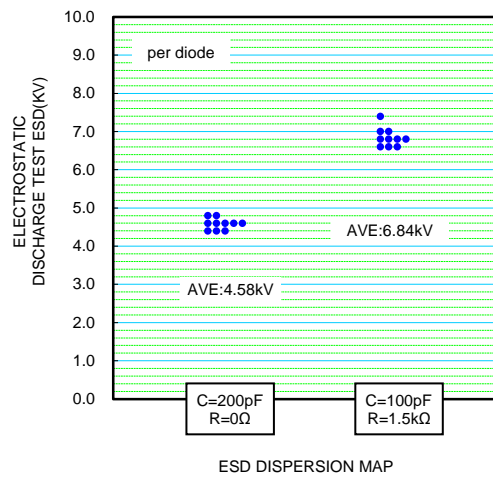
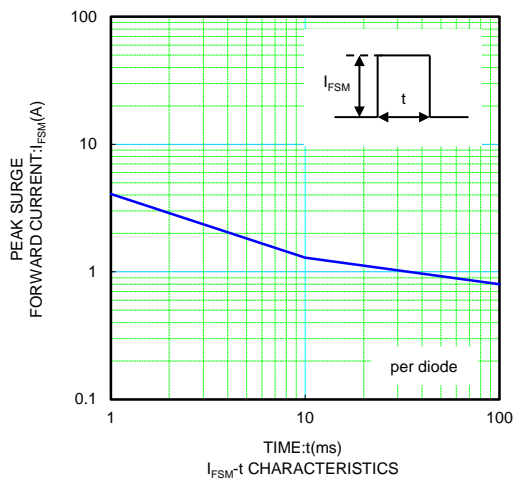
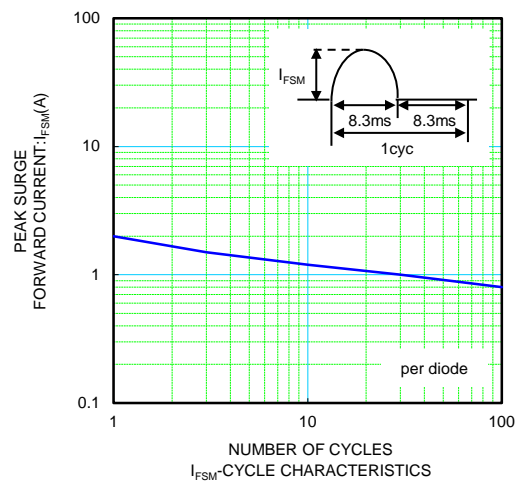
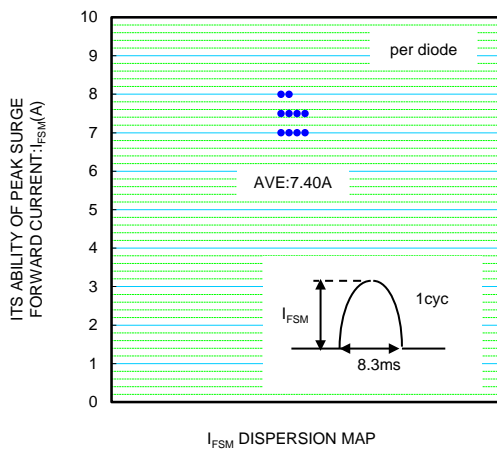
(\*1)  $1/2 \times I_o$  at per diode

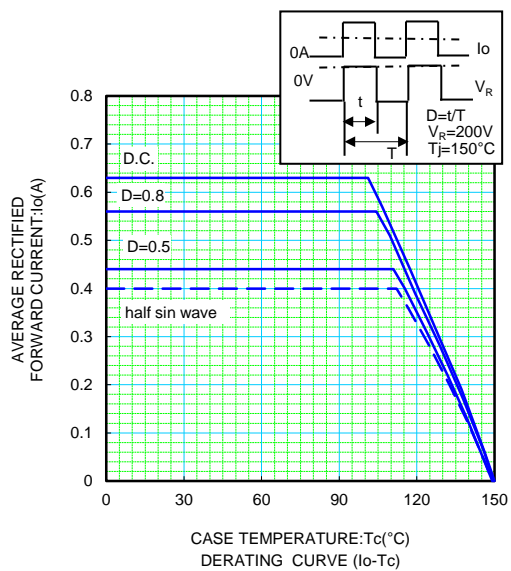
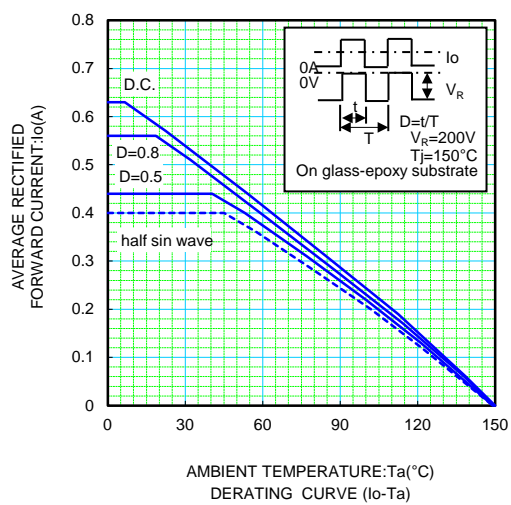
### ●Electrical characteristics (Tj=25°C)

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

\* per diode







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