

Fast Recovery Diode

RF201L2S

●Applications

General rectification

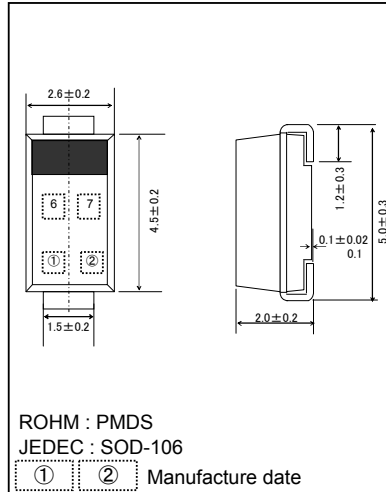
●Features

- 1)Small power mold type. (PMDS)
- 2)Ultra low V_F
- 3)Ultra high switching speed
- 4)Low switching loss

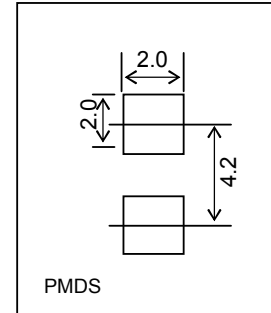
●Construction

Silicon epitaxial planer

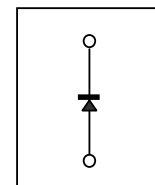
●Dimensions (Unit : mm)



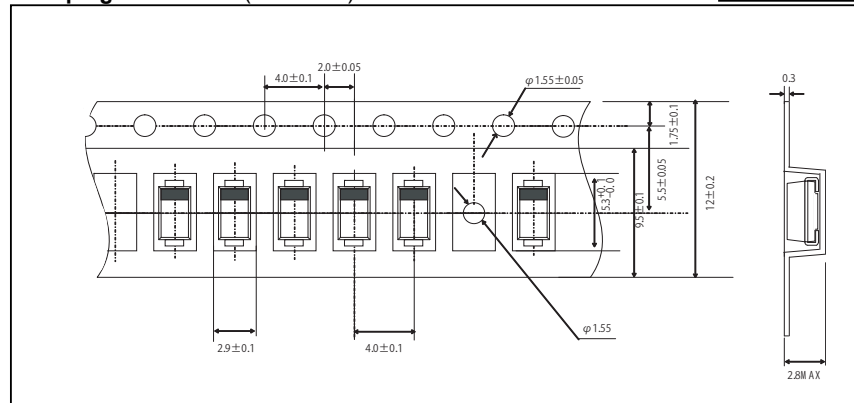
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



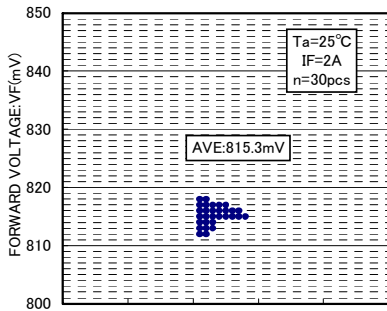
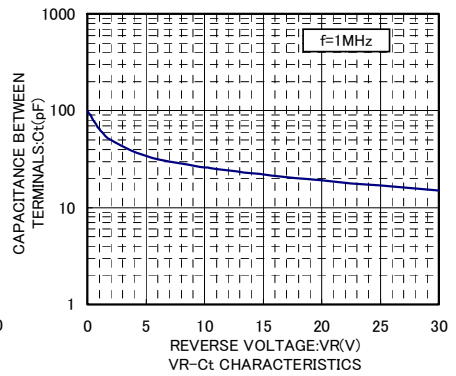
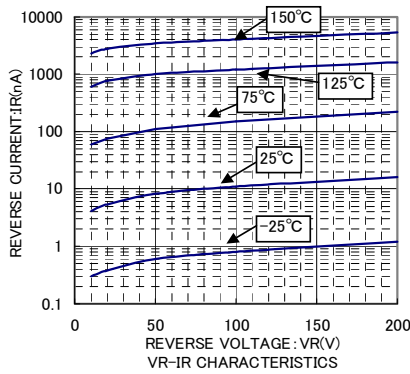
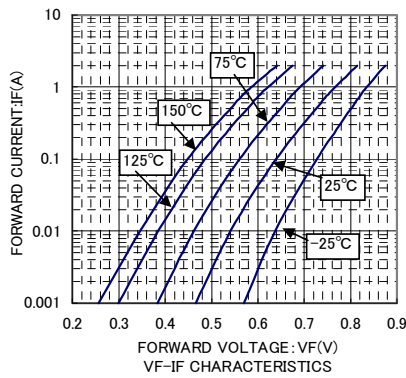
●Absolute maximum ratings ($T_a=25^\circ\text{C}$)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V_{RM}	200	V
Reverse voltage (DC)	V_R	200	V
Average rectified forward current (*1)	I_o	2	A
Forward current surge peak (60Hz · 1cyc)	I_{FSM}	20	A
Junction temperature	T_j	150	$^\circ\text{C}$
Storage temperature	T_{stg}	-55 to +150	$^\circ\text{C}$

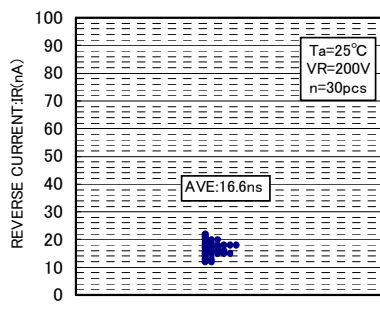
(*1) Mounted on epoxy board. 180° Half sine wave

●Electrical characteristics ($T_a=25^\circ\text{C}$)

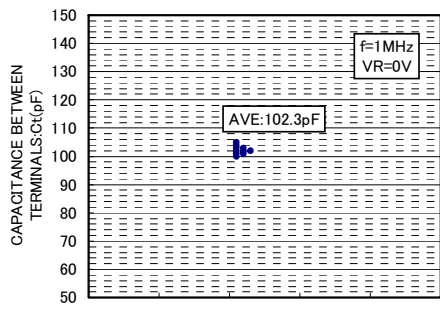
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	0.815	0.87	V	$I_F=2.0\text{A}$
Reverse current	I_R	-	0.01	10	μA	$V_R=200\text{V}$
Reverse recovery time	t_{rr}	-	14	25	ns	$I_F=0.5\text{A}, I_R=1\text{A}, I_{rr}=0.25 \cdot I_R$



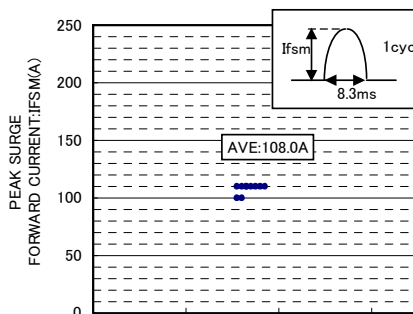
VF DISPERSION MAP



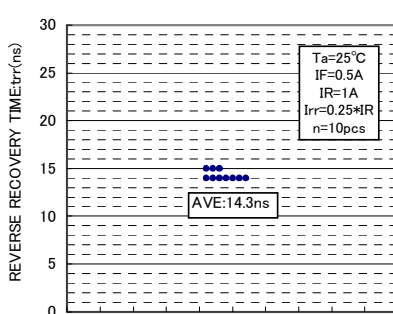
IR DISPERSION MAP



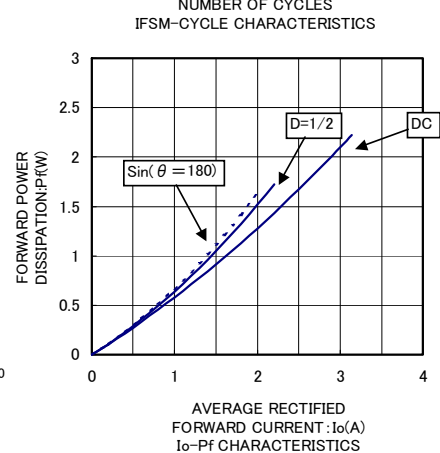
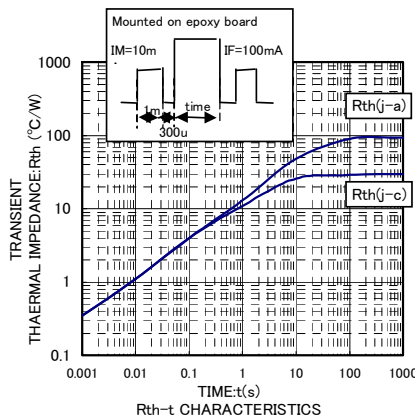
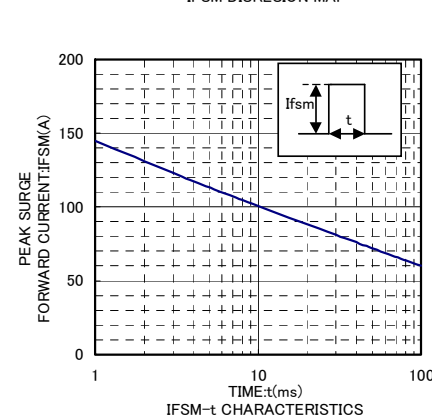
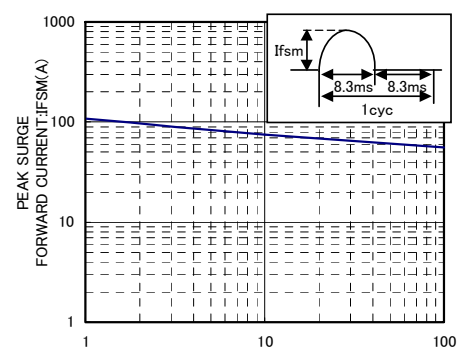
Ct DISPERSION MAP

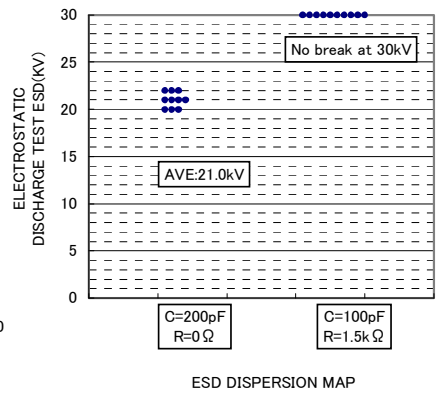
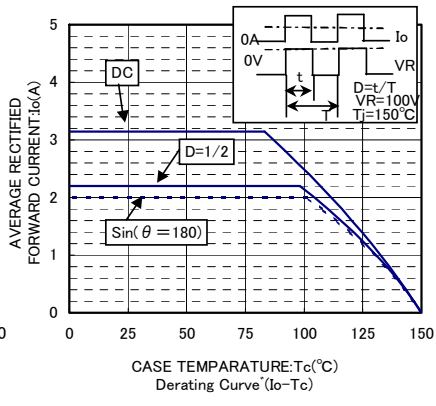
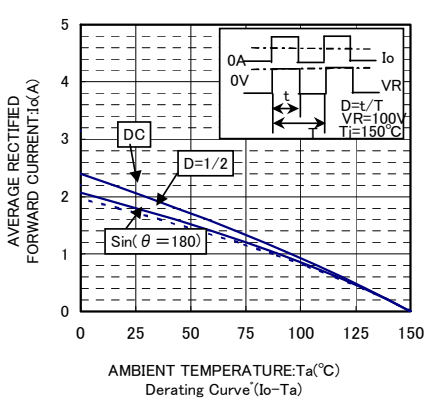


IFSM DISERSION MAP



trr DISPERSION MAP





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