

●Application

General Rectification

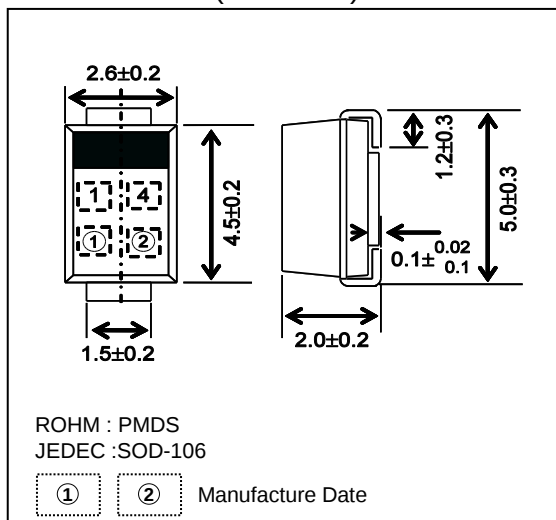
●Features

- 1) Small power mold type (PMDS)
- 2) High reliability

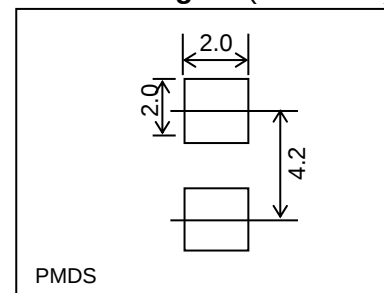
●Construction

Silicon diffused junction

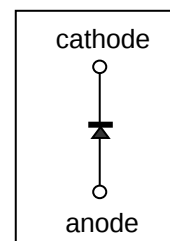
●Dimensions (Unit : mm)



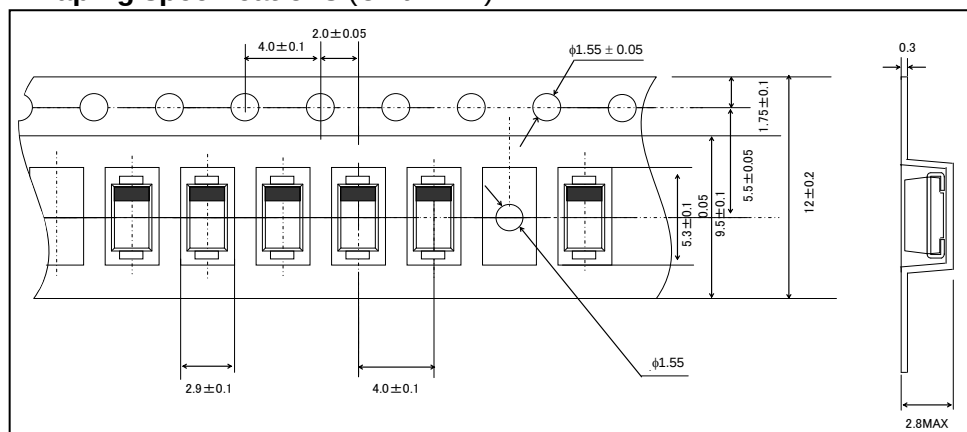
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



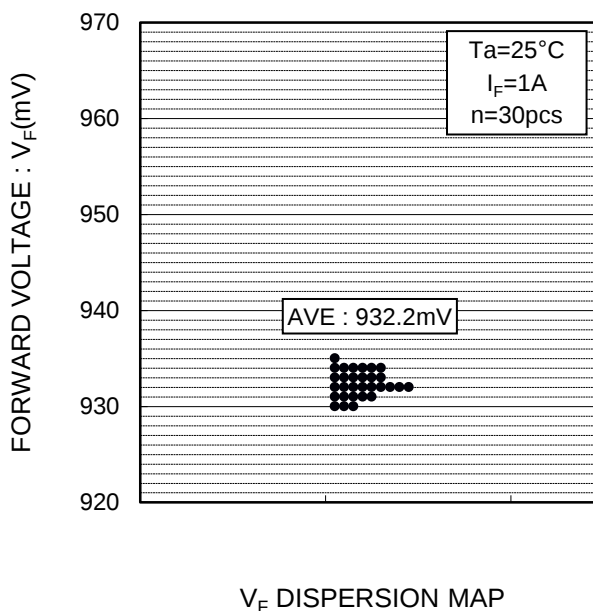
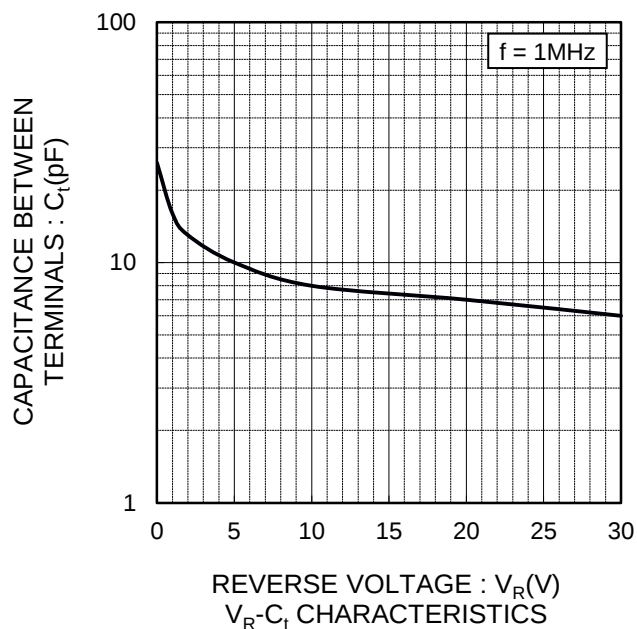
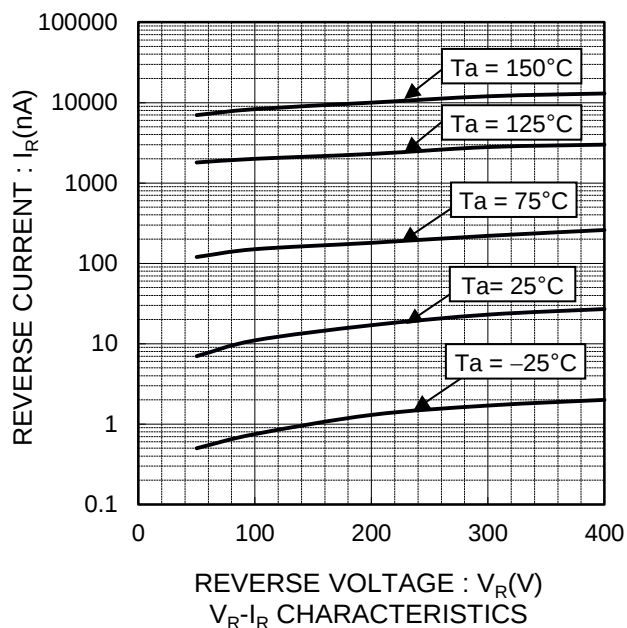
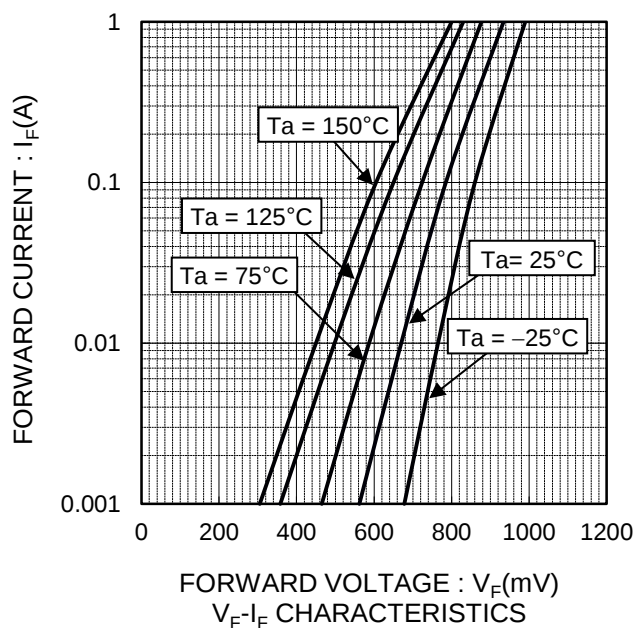
●Absolute maximum ratings ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Limits	Unit
Reverse voltage (non-repetitive peak)	V_{RM}	500	V
Reverse voltage (repetitive peak)	V_R	400	V
Average rectified forward current	I_o	1	A
Forward current surge peak (60Hz/1cyc)	I_{FSM}	30	A
Junction temperature	T_j	150	$^\circ\text{C}$
Storage temperature	T_{stg}	-55 to +150	$^\circ\text{C}$

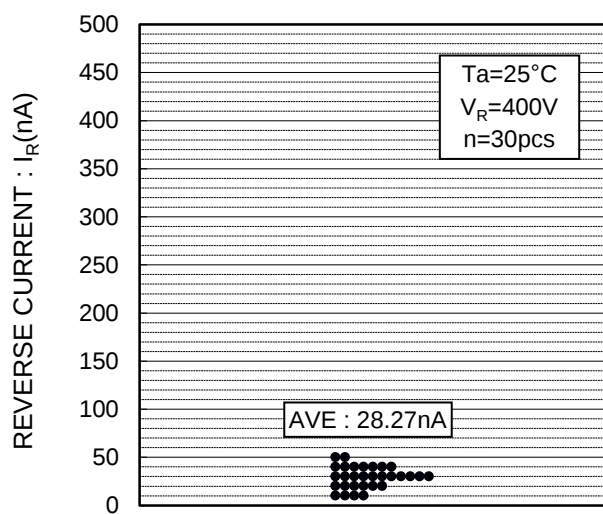
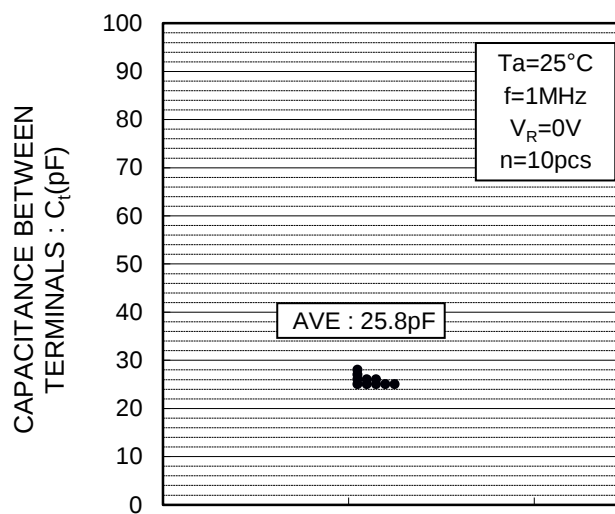
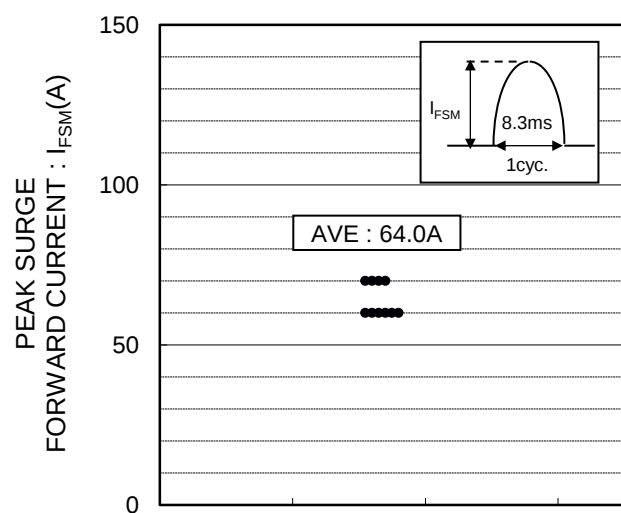
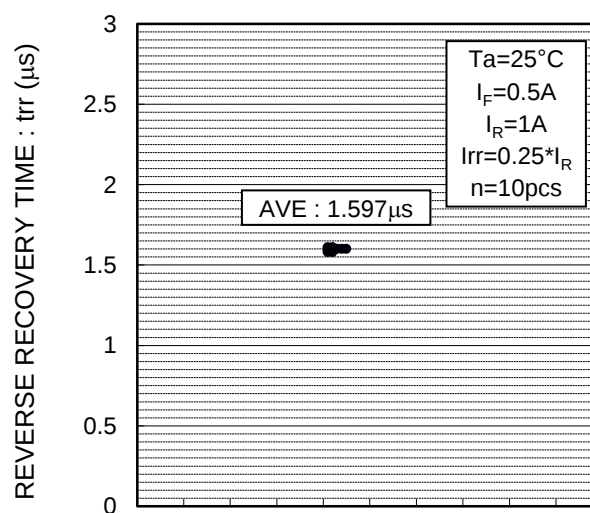
●Electrical characteristics ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	1.10	V	$I_F=1\text{A}$
Reverse current	I_R	-	-	10	μA	$V_R=400\text{V}$

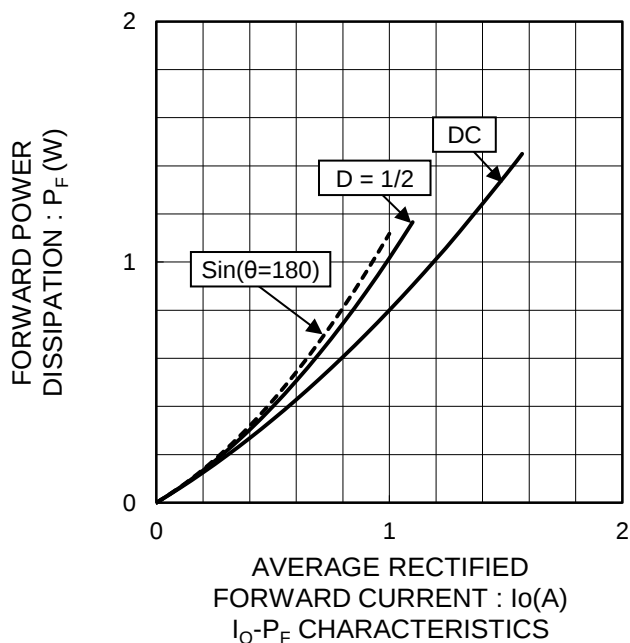
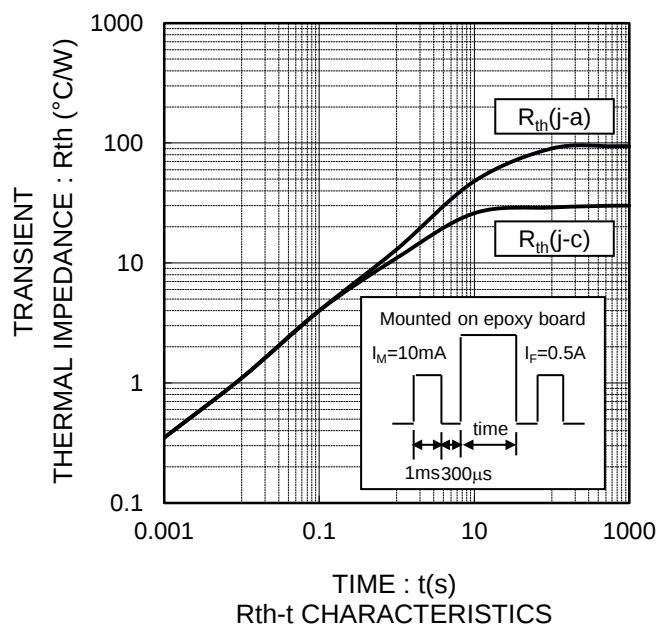
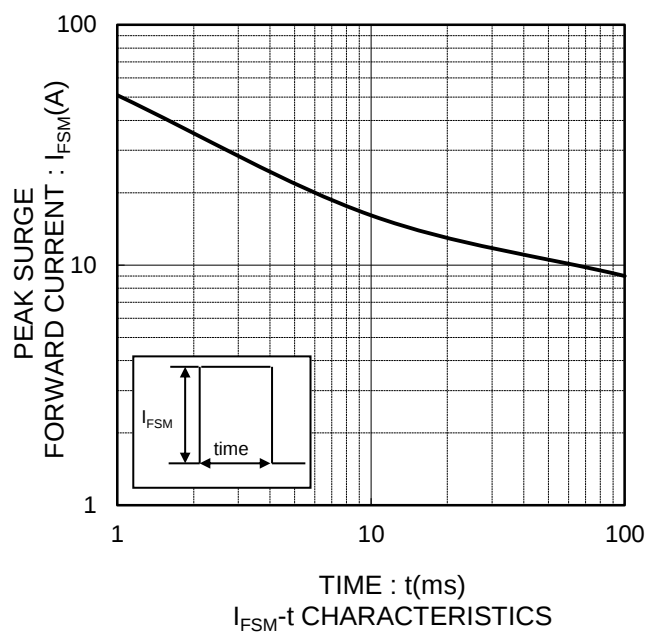
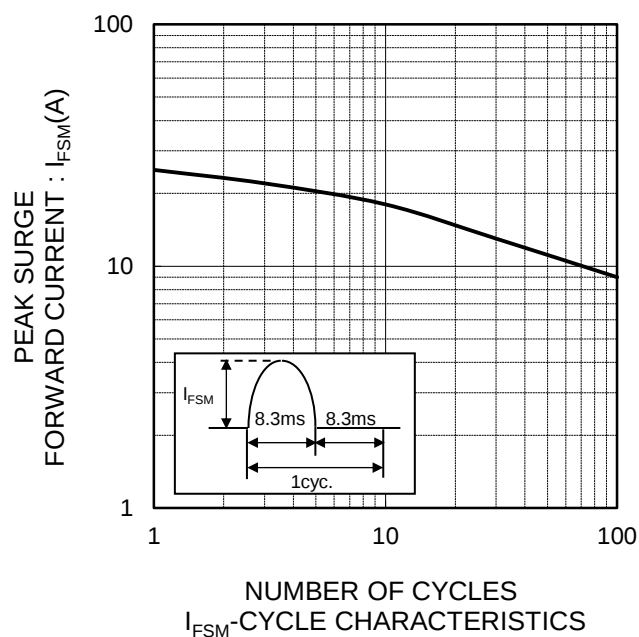
●Electrical characteristic curves



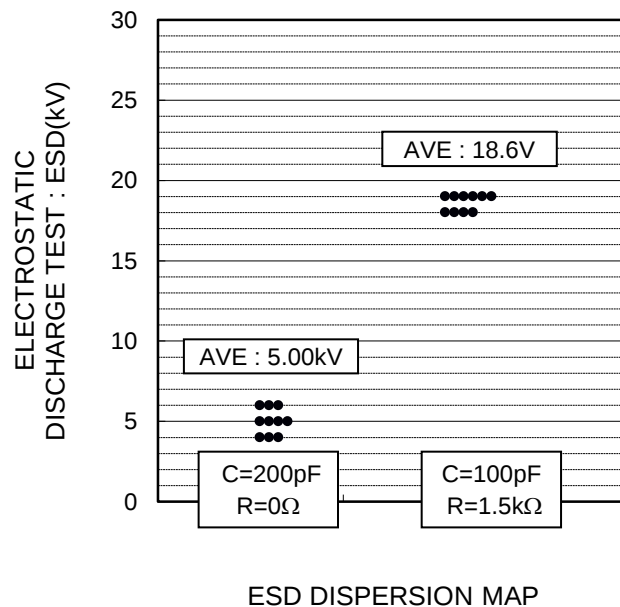
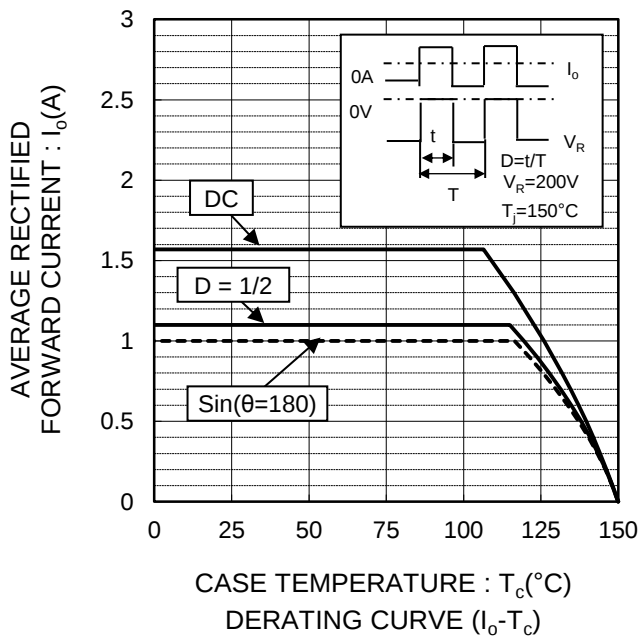
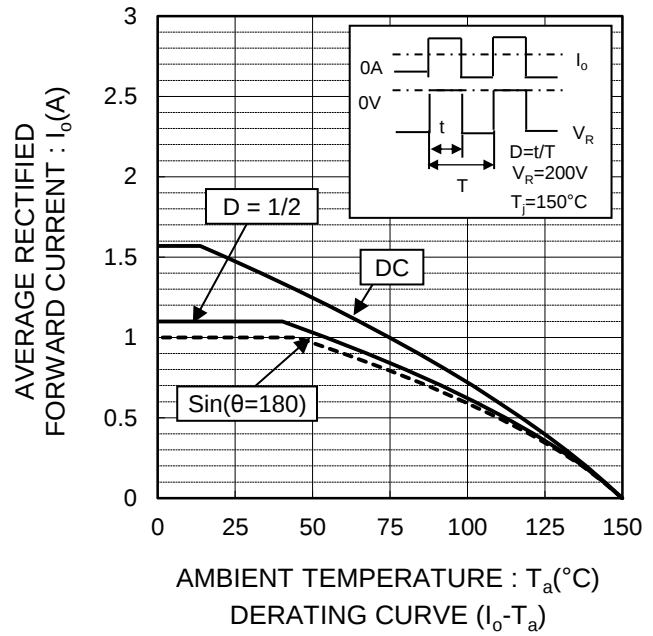
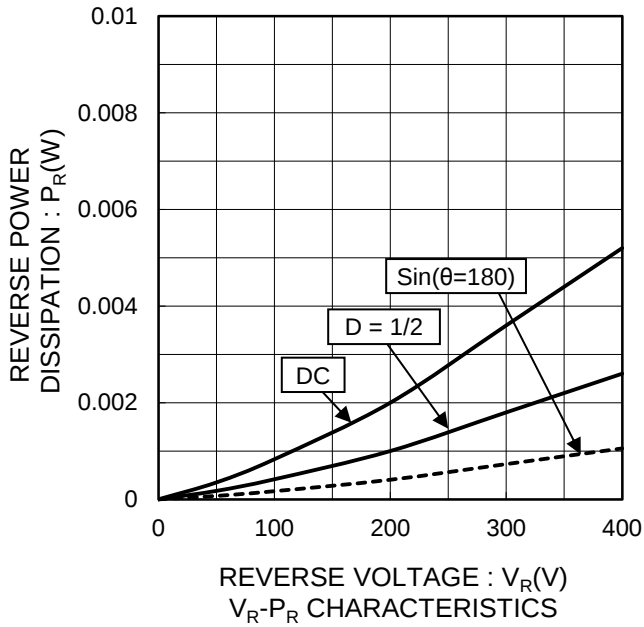
●Electrical characteristic curves

 I_R DISPERSION MAP C_t DISPERSION MAP I_{FSM} DISPERSION MAP trr DISPERSION MAP

●Electrical characteristic curves



●Electrical characteristic curves



Notes

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