

●Application

General rectification

●Features

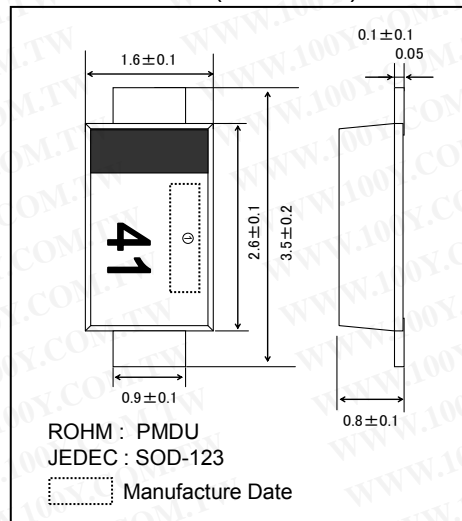
- 1) Small power mold type. (PMDU)
- 2) Low I_R
- 3) High reliability
- 4) AEC-Q101 qualified
(Limited to HR type)

●Construction

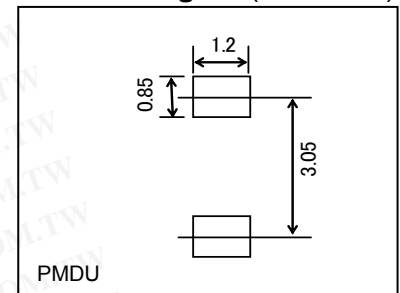
Silicon epitaxial planar

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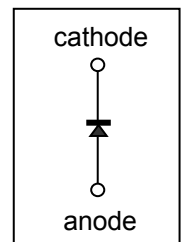
●Dimensions (Unit : mm)



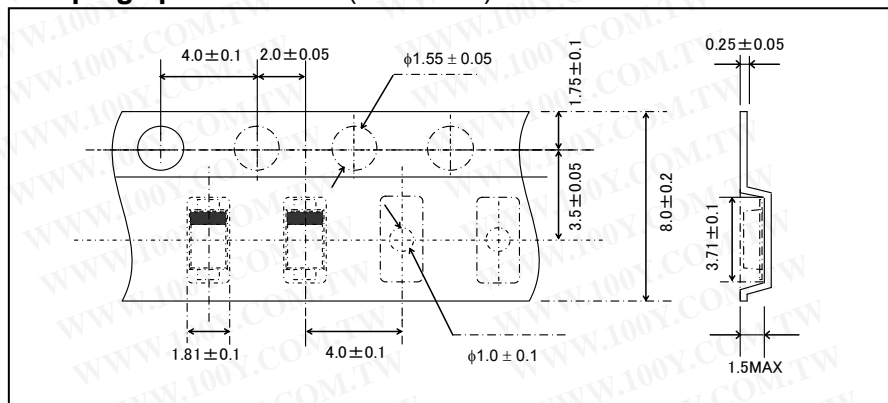
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



●Absolute maximum ratings (Ta= 25°C)

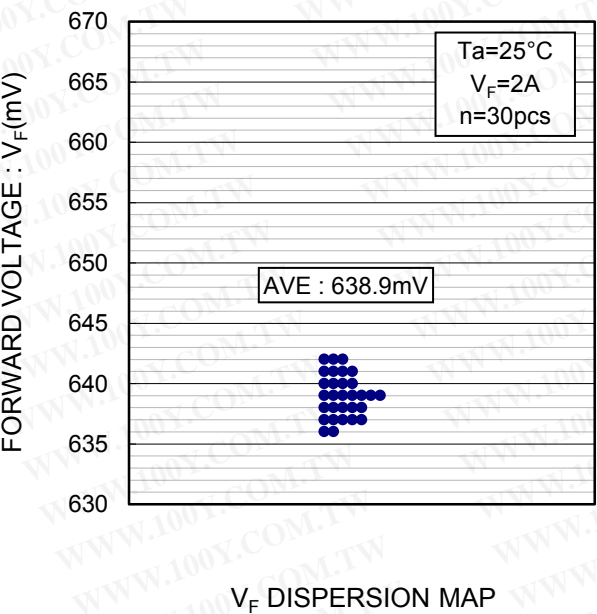
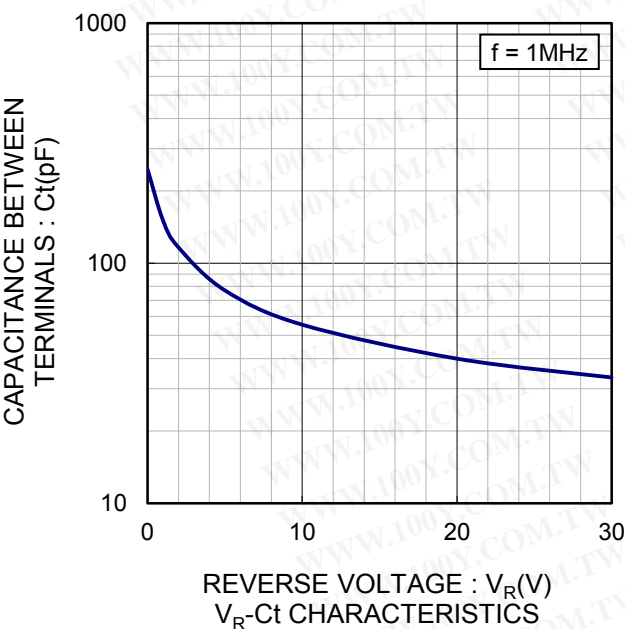
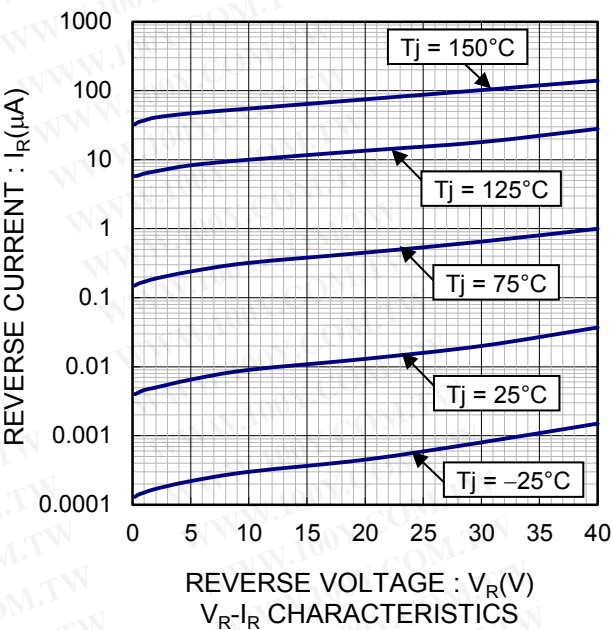
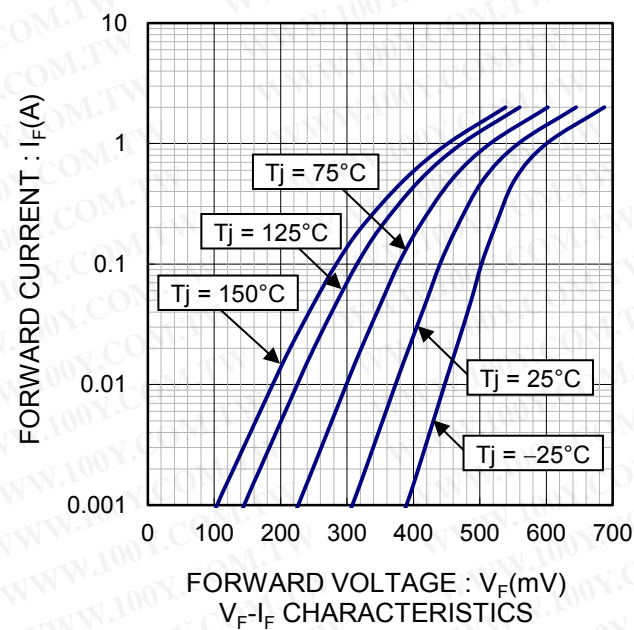
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V_{RM}	40	V
Reverse voltage (DC)	V_R	40	V
Average rectified forward current (*1)	I_o	2	A
Forward current surge peak (60Hz·1cyc)	I_{FSM}	30	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

(*1) Mounting on epoxi board. 180°Half sine wave

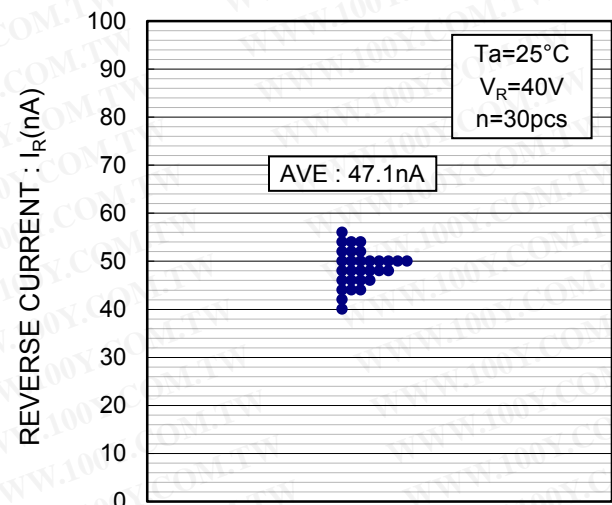
●Electrical characteristics (Ta = 25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.725	V	$I_F=2.0A$
Reverse current	I_R	-	-	0.55	μA	$V_R=40V$

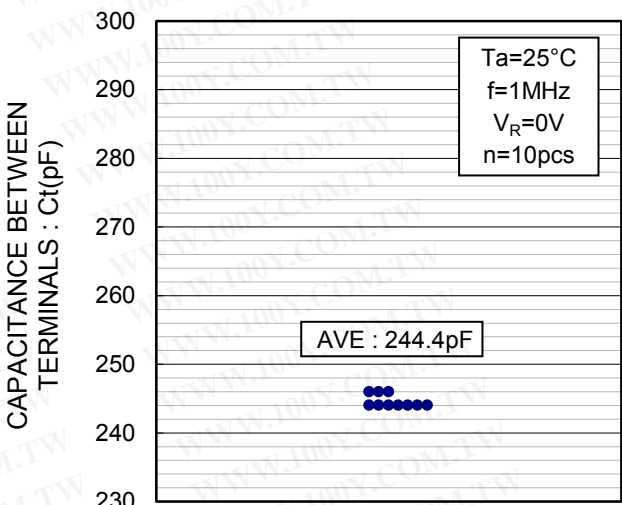
●Electrical characteristic curves



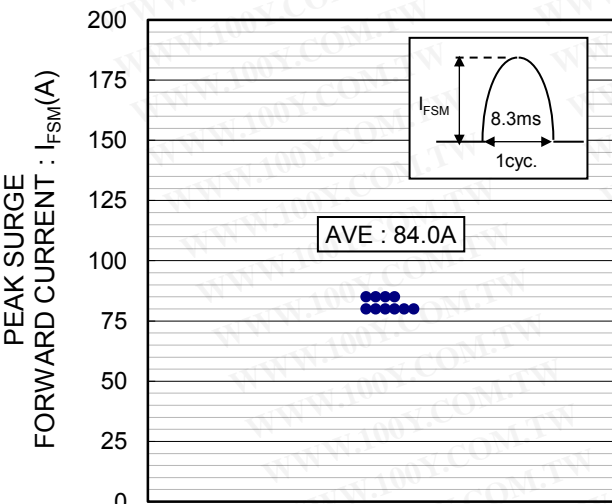
●Electrical characteristic curves



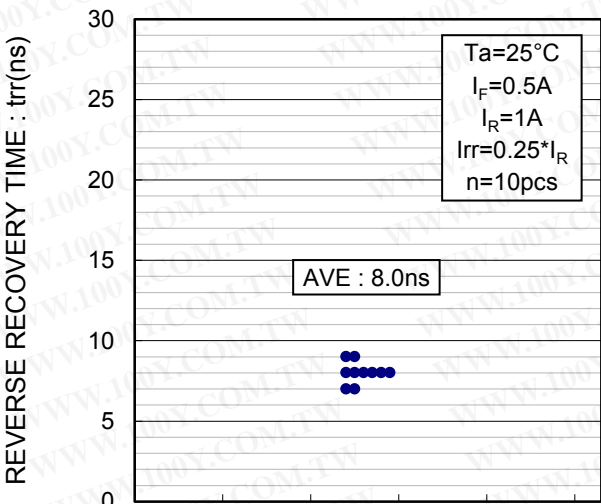
I_R DISPERSION MAP



C_t DISPERSION MAP

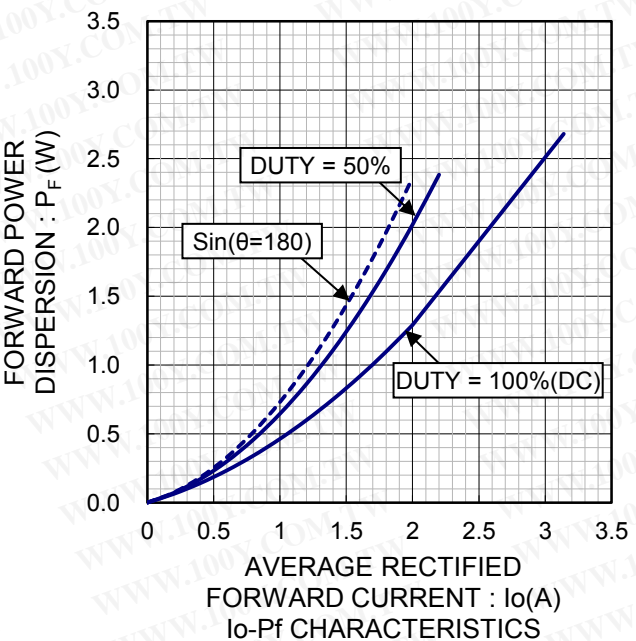
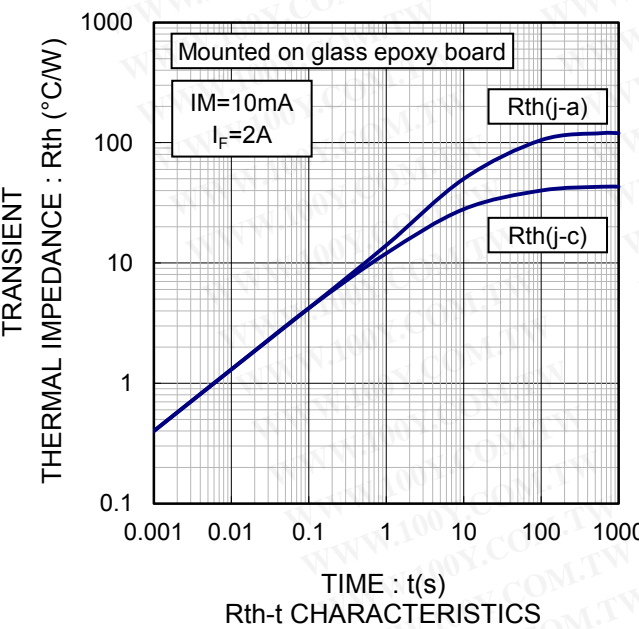
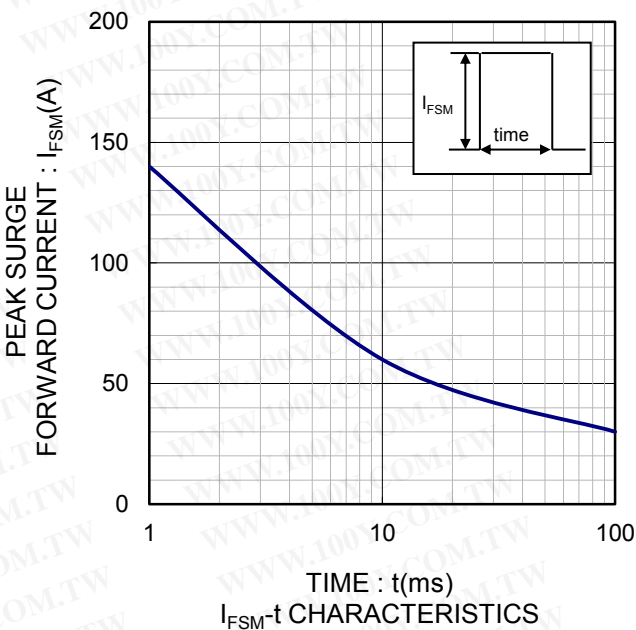
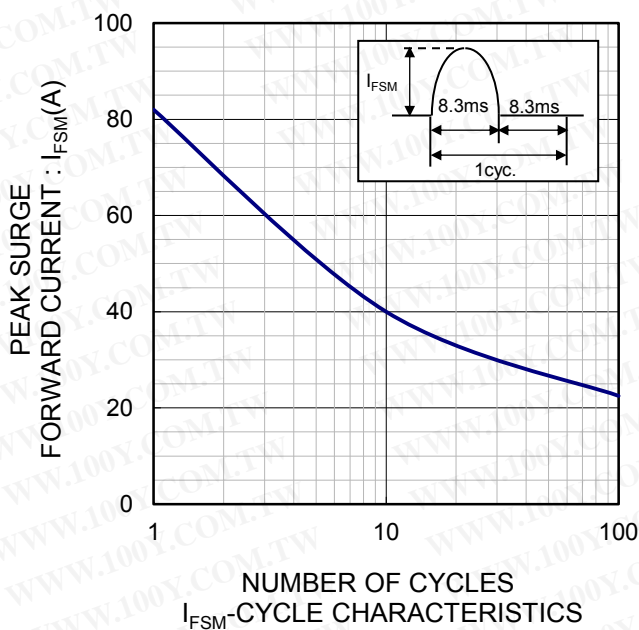


I_{FSM} DISPERSION MAP

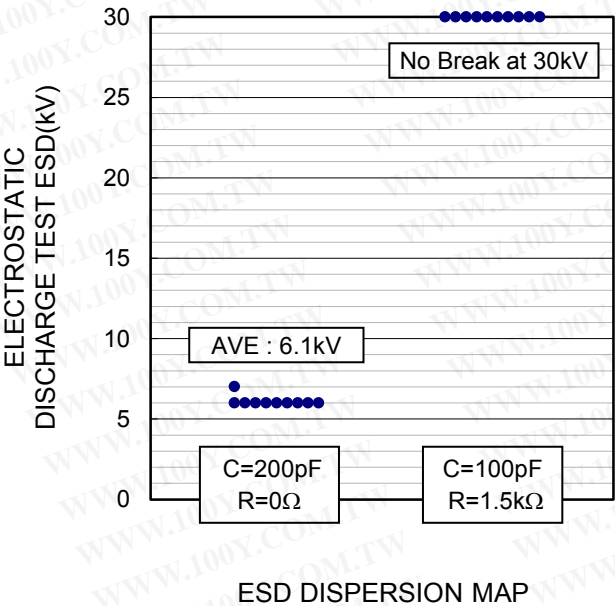
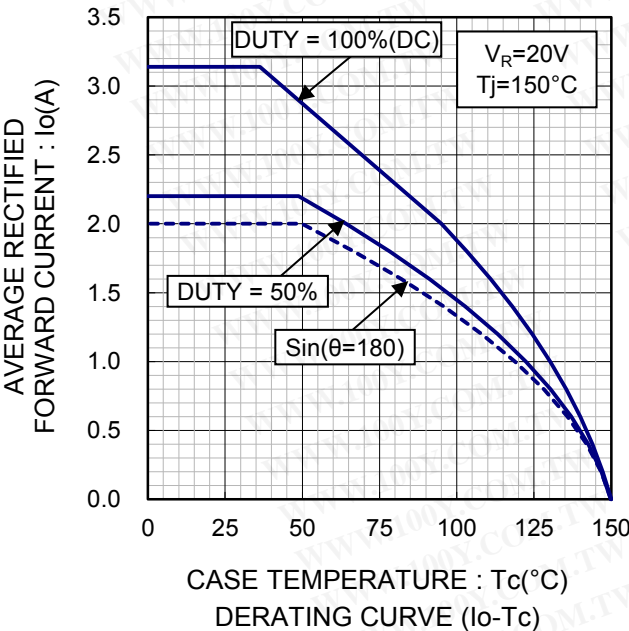
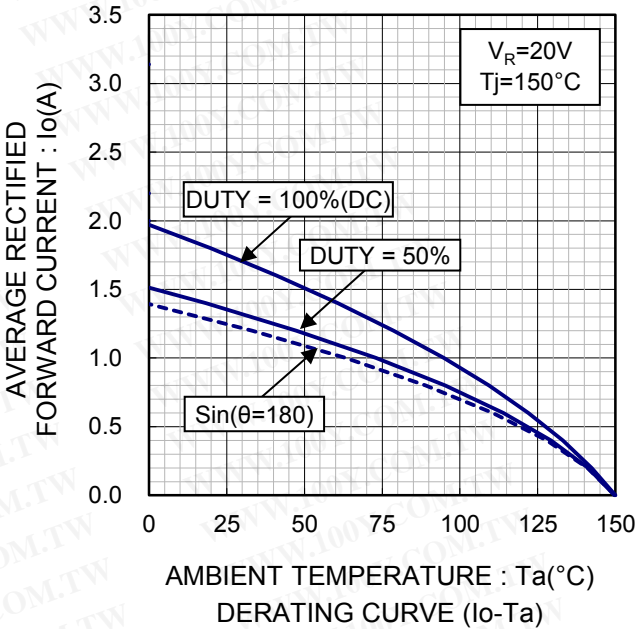
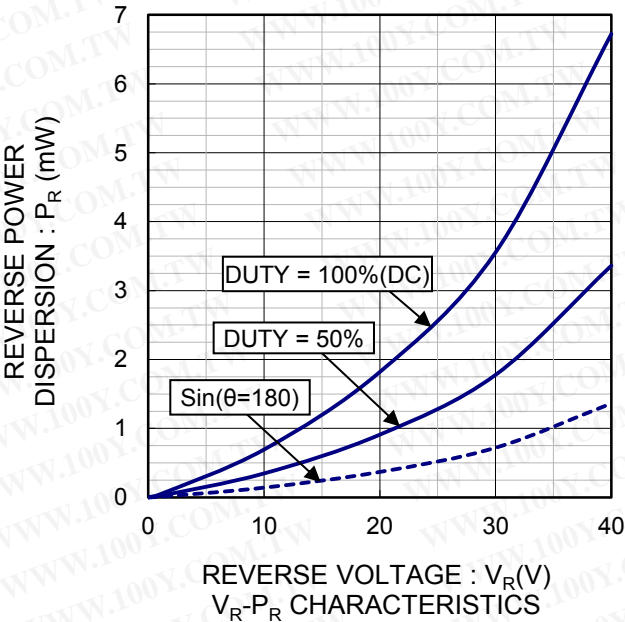


trr DISPERSION MAP

●Electrical characteristic curves



●Electrical characteristic curves



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