

### ●Application

General rectification

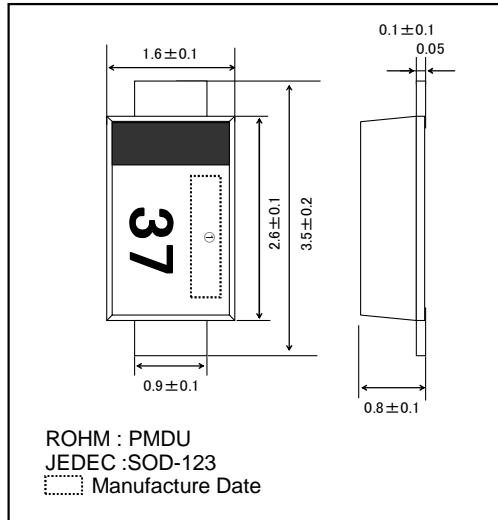
### ●Features

- 1) Small power mold type.  
(PMDU)
- 2) Low  $I_R$ .
- 3) High reliability.

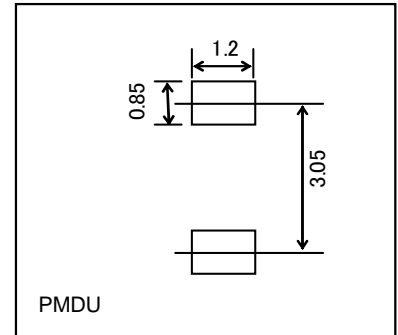
### ●Construction

Silicon epitaxial

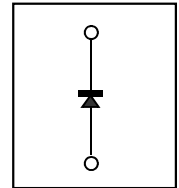
### ●Dimensions (Unit : mm)



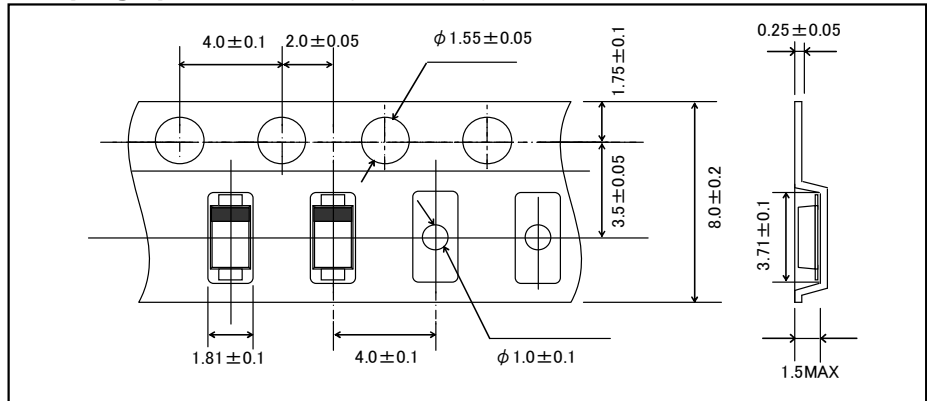
### ●Land size figure (Unit : mm)



### ●Structure



### ●Taping specifications (Unit : mm)



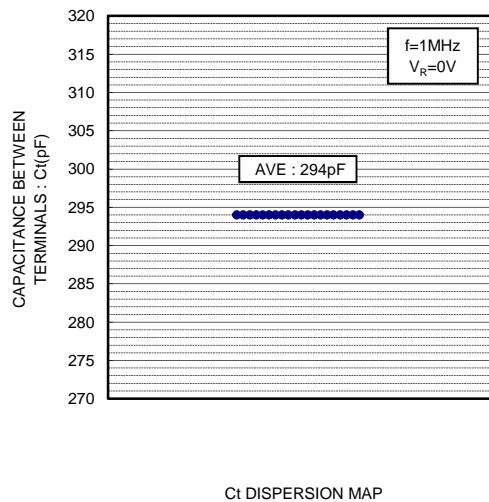
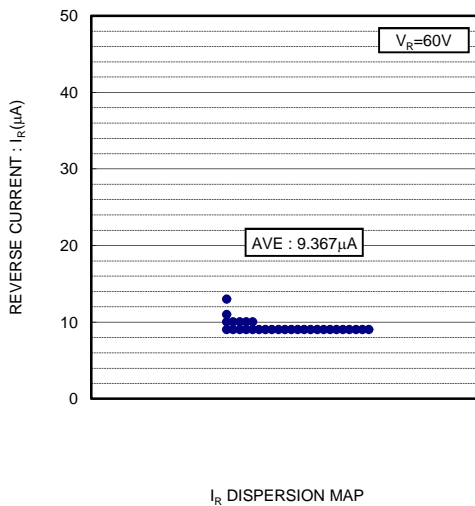
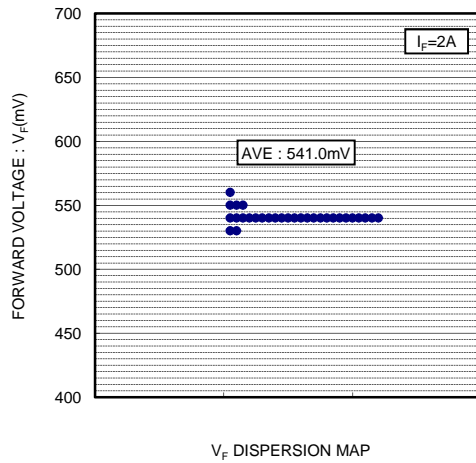
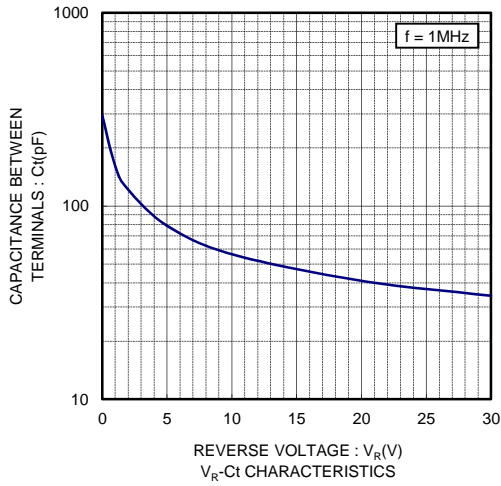
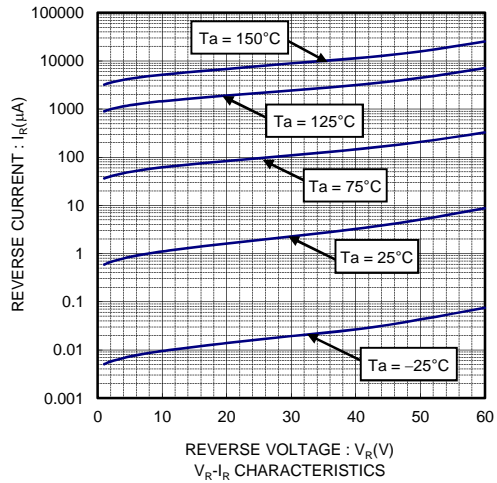
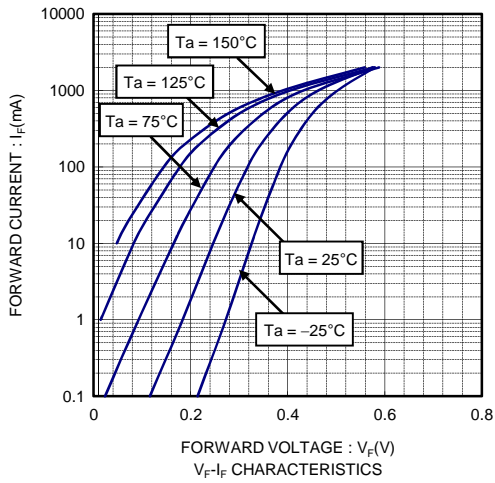
### ●Absolute maximum ratings (Ta = 25°C)

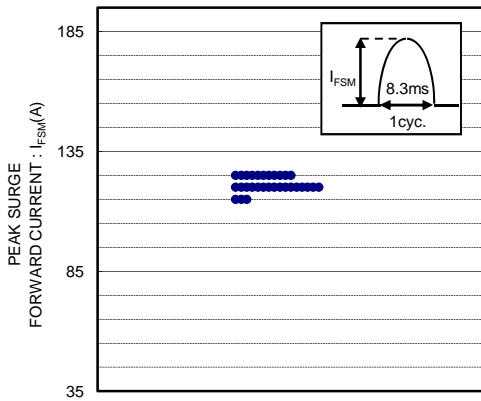
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	$V_{RM}$	60	V
Reverse voltage (DC)	$V_R$	60	V
Average rectified forward current (*1)	$I_o$	2	A
Forward current surge peak (60Hz·1cyc)	$I_{FSM}$	30	A
Junction temperature	$T_j$	150	°C
Storage temperature	$T_{stg}$	-40 to +150	°C

(\*1) Mounted on epoxy board.  $T_c=55^\circ\text{C}$  max.

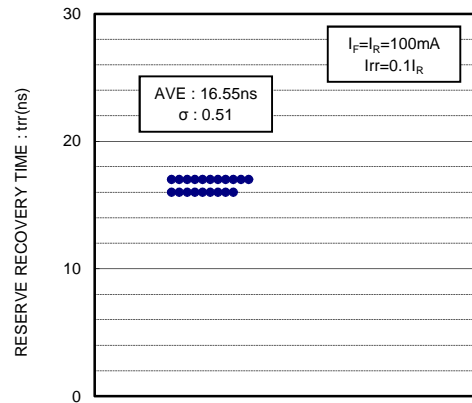
### ●Electrical characteristics (Ta = 25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_{F1}$	-	-	0.52	V	$I_F=1.0\text{A}$
	$V_{F2}$	-	-	0.61	V	$I_F=2.0\text{A}$
Reverse current	$I_R$	-	-	50	$\mu\text{A}$	$V_R=60\text{V}$

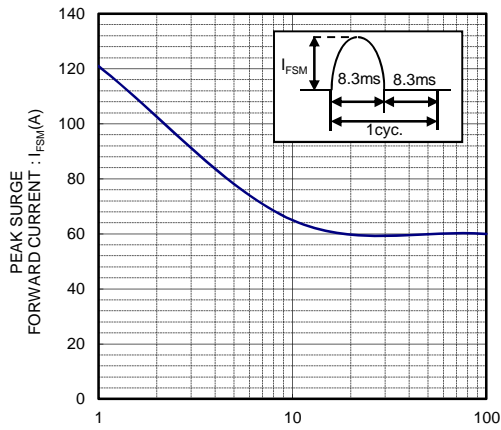




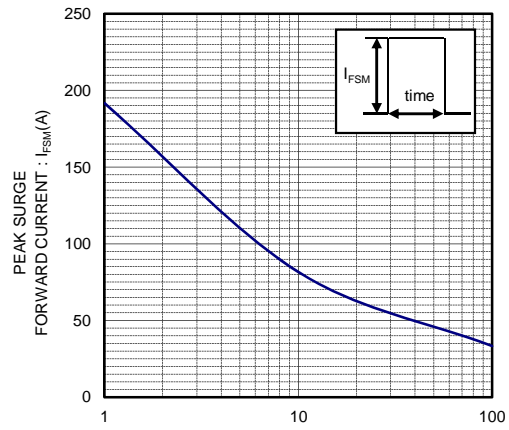
$I_{FSM}$  DISPERSION MAP



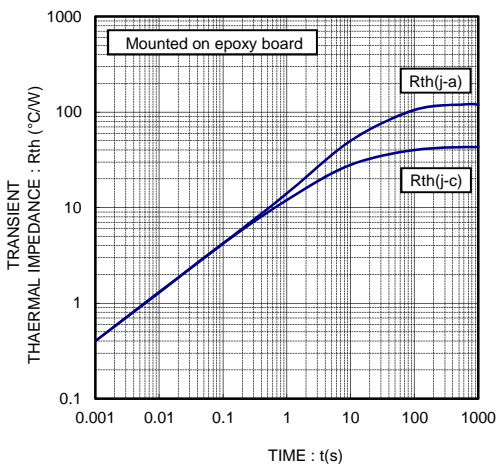
$t_{tr}$  DISPERSION MAP



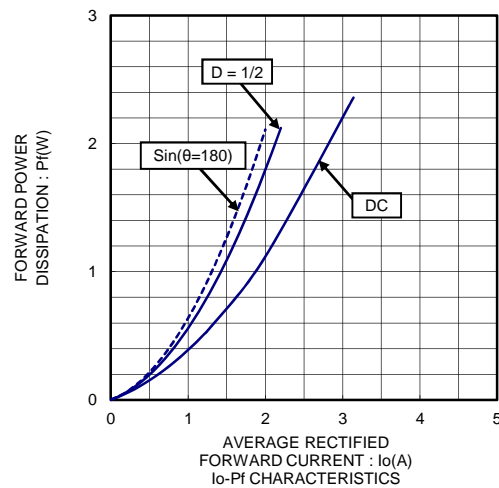
NUMBER OF CYCLES  
 $I_{FSM}$ -CYCLE CHARACTERISTICS



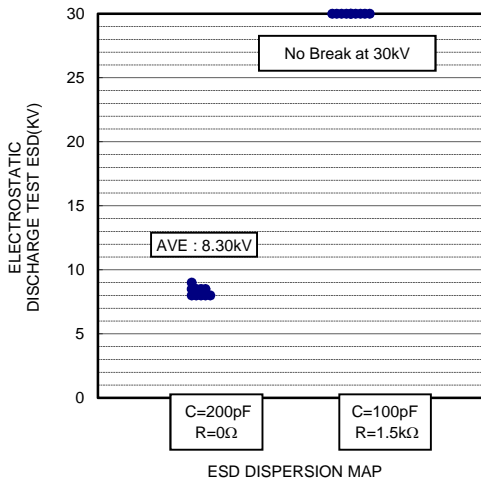
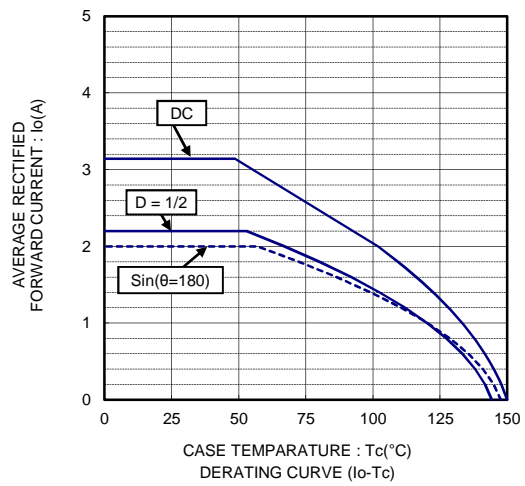
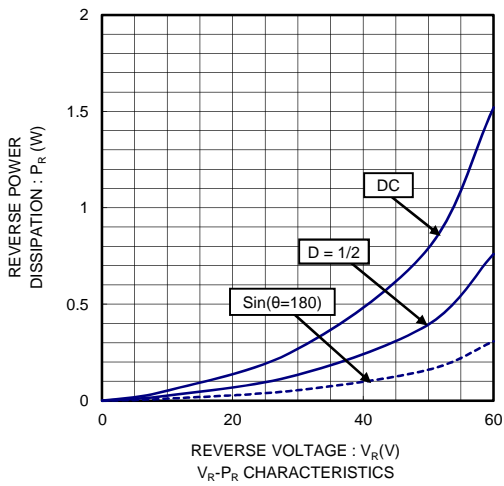
TIME : t(ms)  
 $I_{FSM}$ -t CHARACTERISTICS



TIME : t(s)  
 $R_{th}$ -t CHARACTERISTICS



AVERAGE RECTIFIED FORWARD CURRENT :  $I_o$ (A)  
 $I_o$ -Pf CHARACTERISTICS



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