

## ●Application

Low current rectification

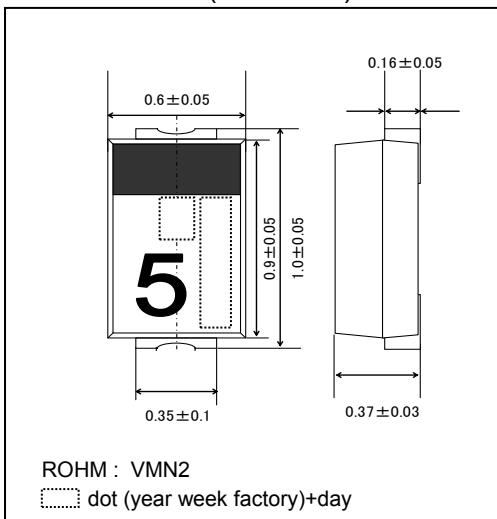
## ●Features

- 1) Ultra Small mold type (VMN2)
- 2) Low  $V_F$
- 3) High reliability

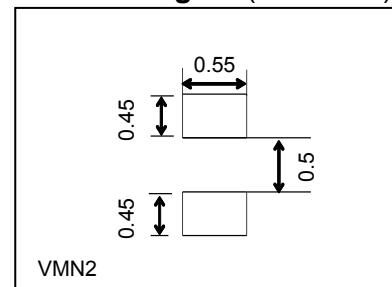
## ●Construction

Silicon epitaxial planar

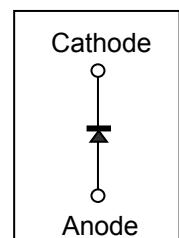
## ●Dimensions (Unit : mm)



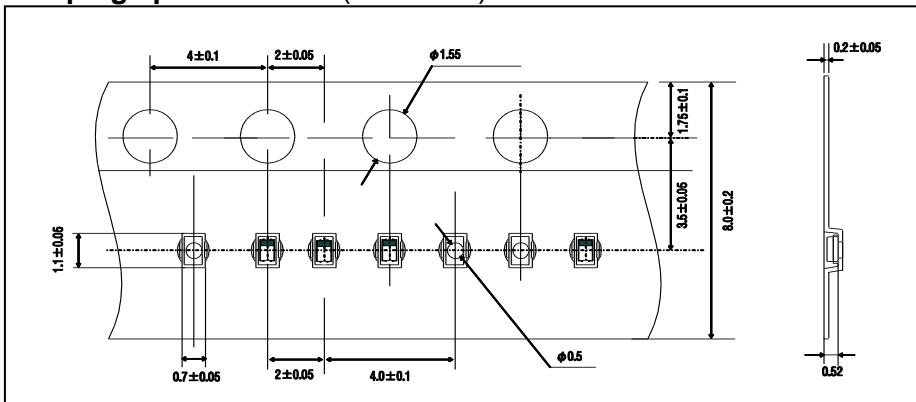
## ●Land size figure (Unit : mm)



## ●Structure



## ●Taping specifications (Unit : mm)



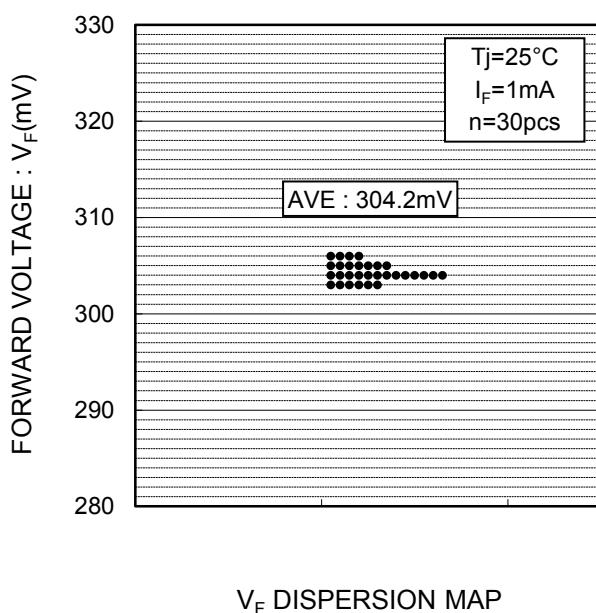
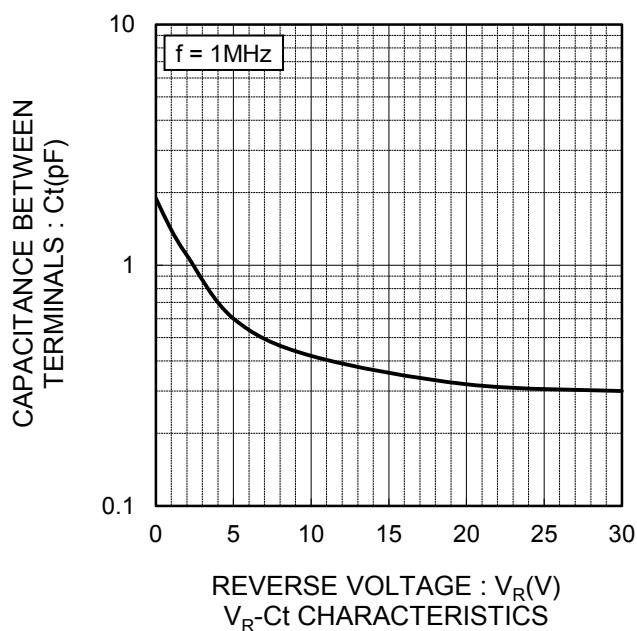
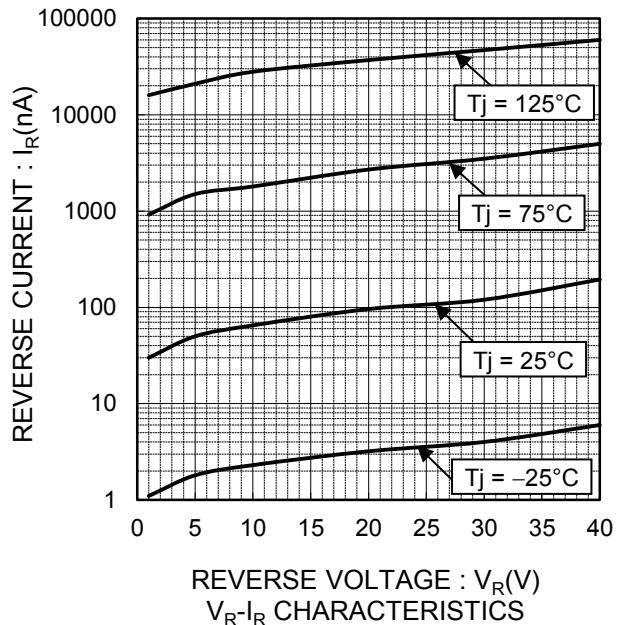
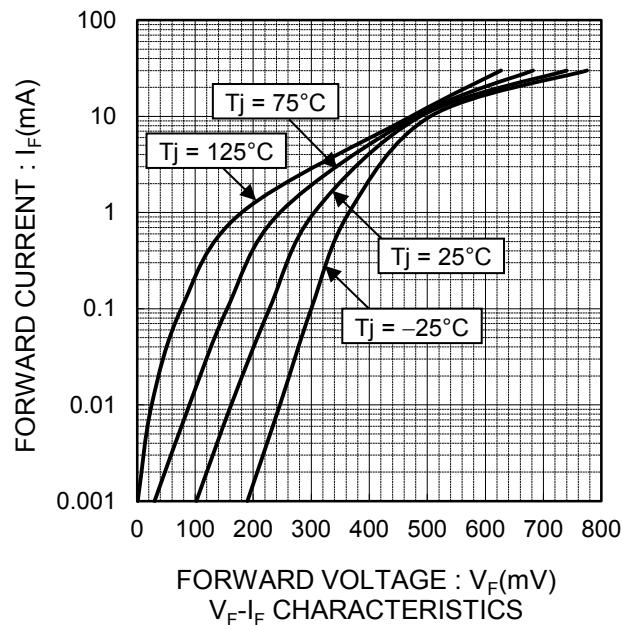
## ●Absolute maximum ratings (Ta = 25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	40	V
Reverse voltage (DC)	$V_R$	30	V
Average rectified forward current	$I_o$	30	mA
Forward current surge peak (60Hz·1cyc)	$I_{FSM}$	200	mA
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-40 to +125	°C

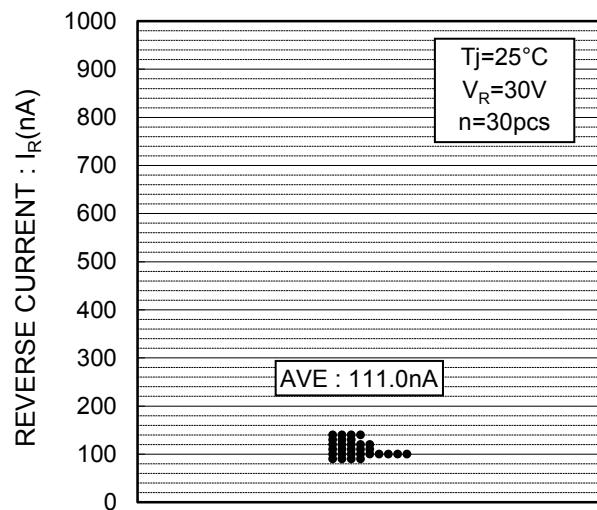
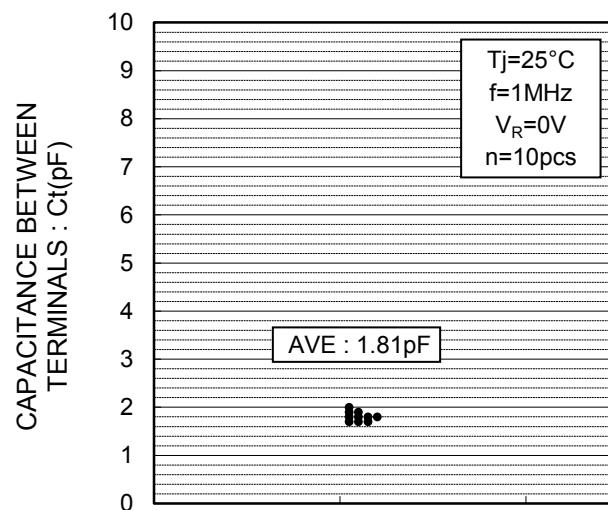
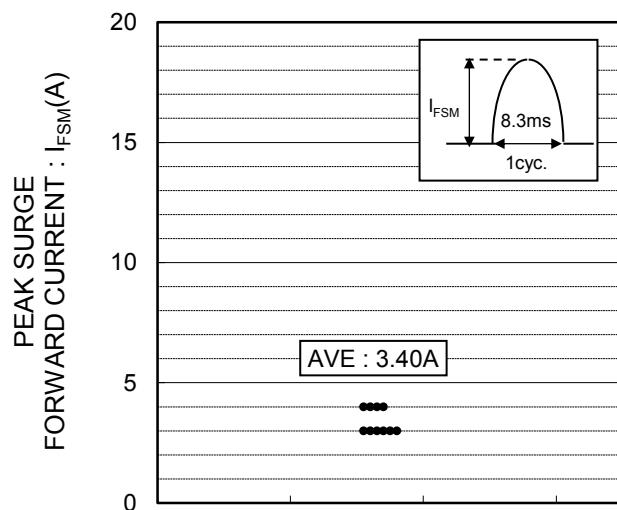
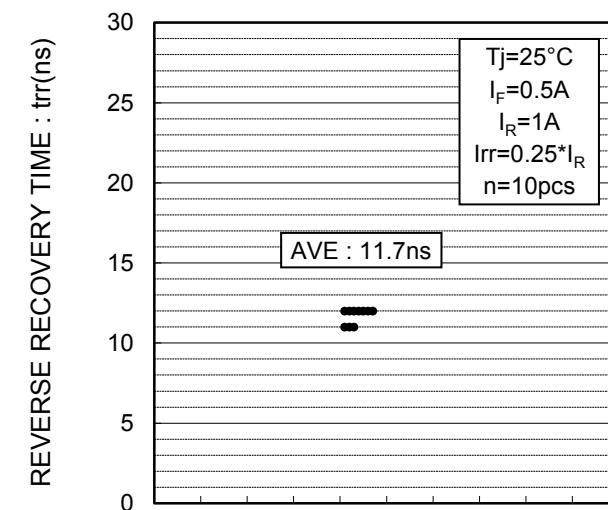
## ●Electrical characteristics (Ta = 25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	-	-	0.37	V	$I_F=1\text{mA}$
Reverse current	$I_R$	-	-	0.5	$\mu\text{A}$	$V_R=30\text{V}$
Capacitance between terminals	$C_t$	-	2	-	pF	$V_R=1\text{V}$ , $f=1\text{MHz}$

● Electrical characteristic curves

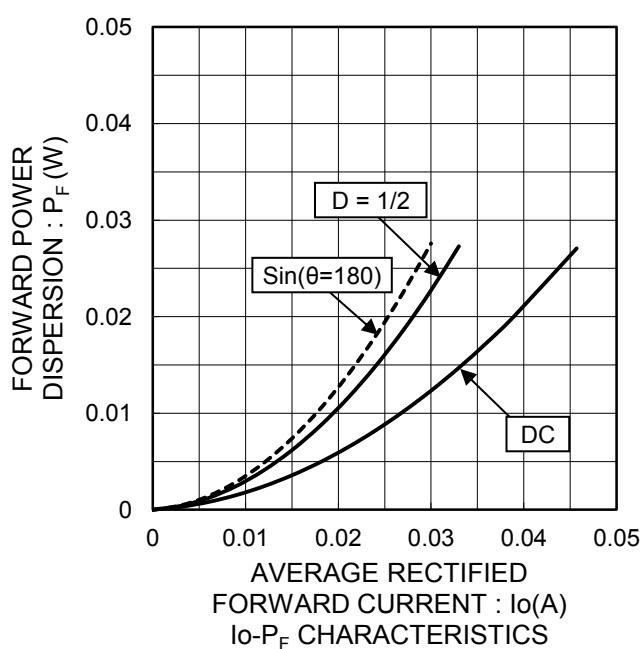
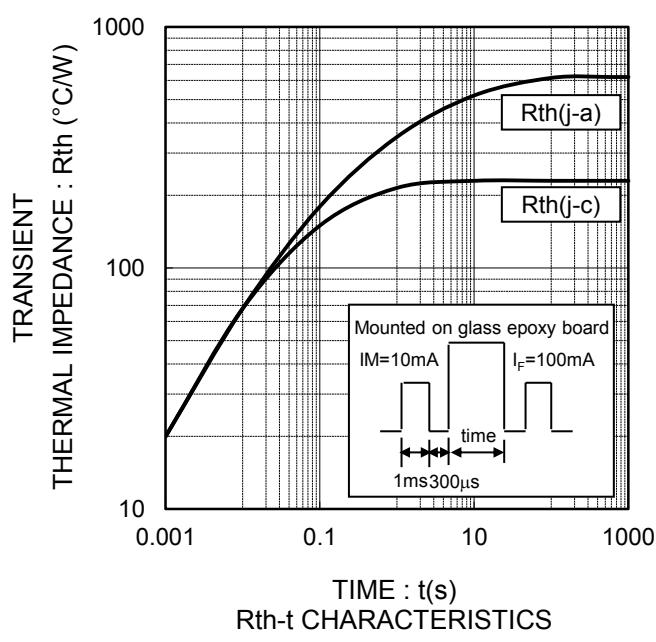
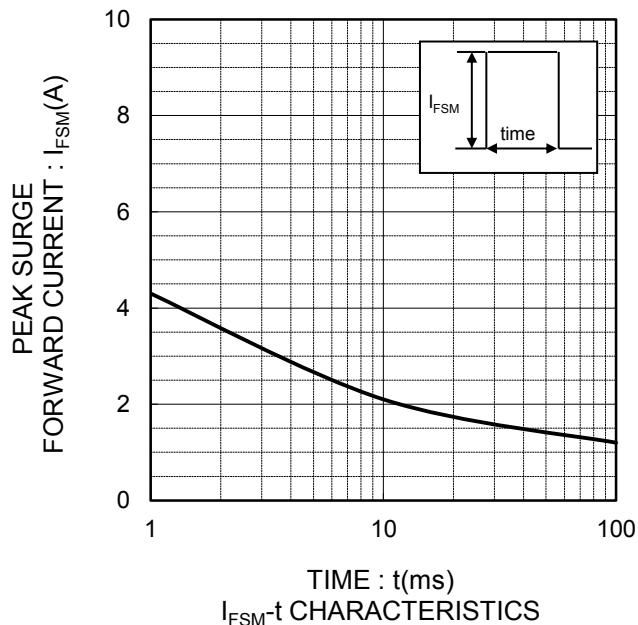
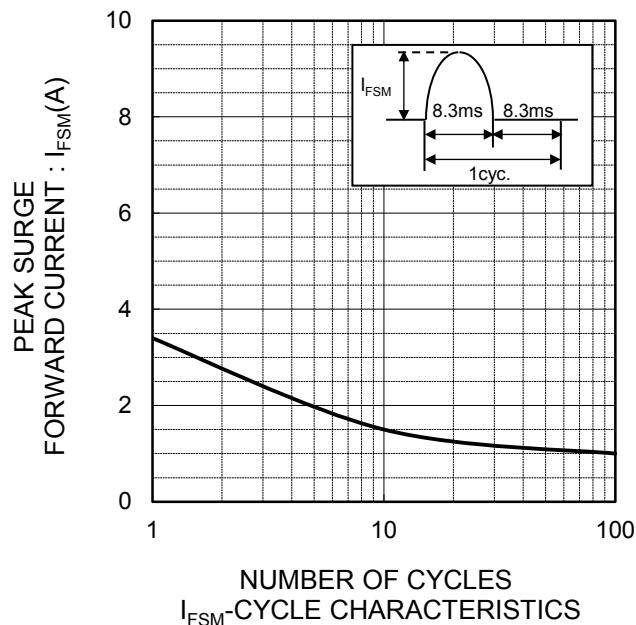


● Electrical characteristic curves

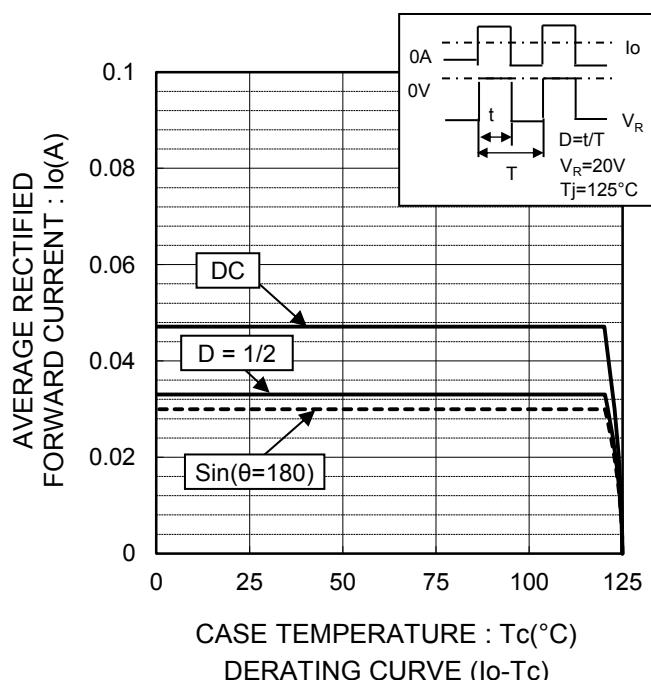
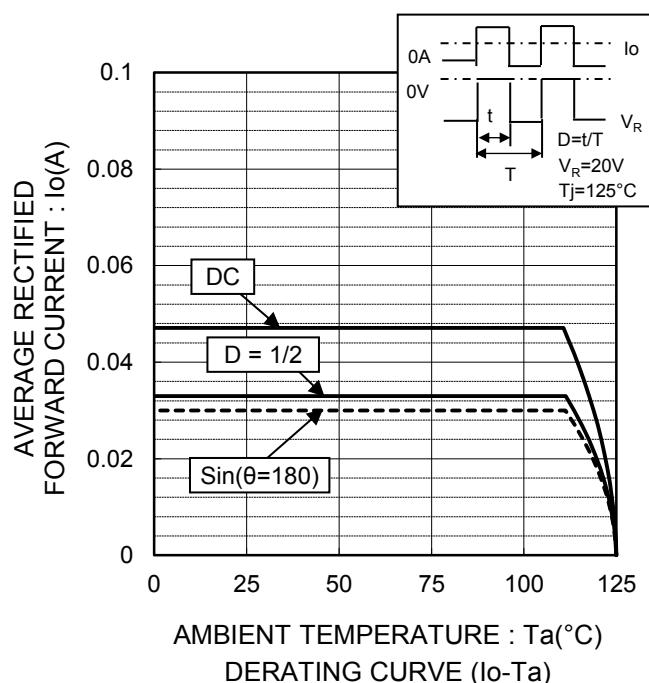
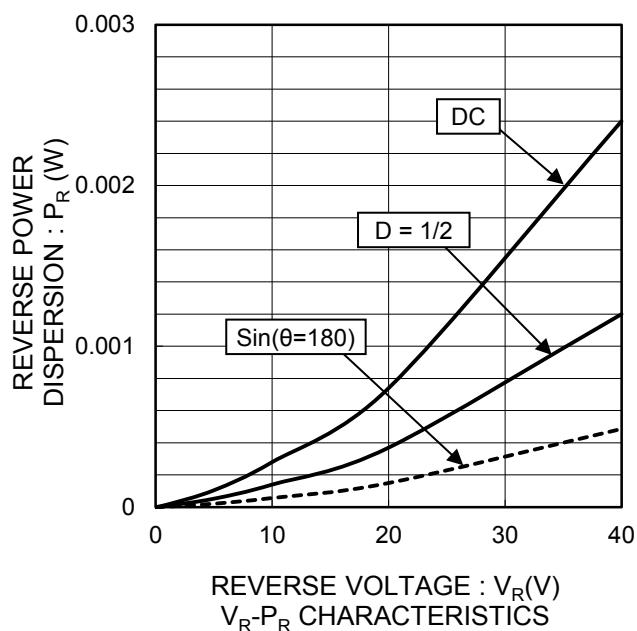
I<sub>R</sub> DISPERSION MAPC<sub>t</sub> DISPERSION MAPI<sub>FSM</sub> DISPERSION MAP

trr DISPERSION MAP

● Electrical characteristic curves



● Electrical characteristic curves



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