

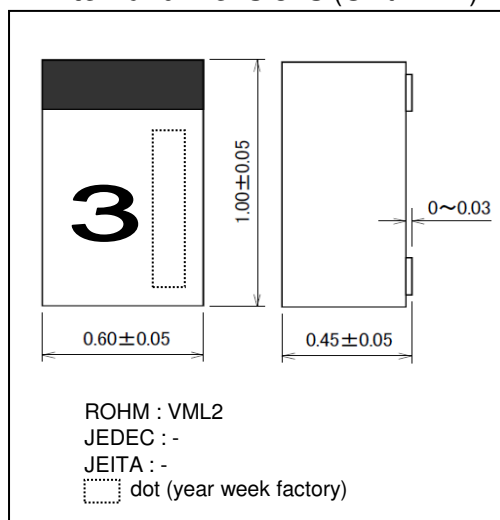
### ●Application

Small current rectification

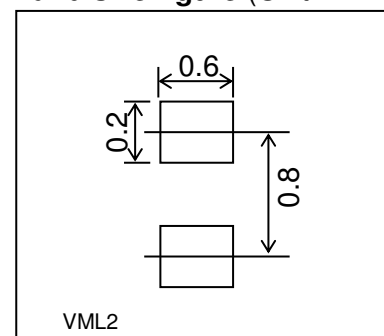
### ●Features

- 1) Ultra small mold type.(VML2)
- 2) Low  $V_F$
- 3) High reliability

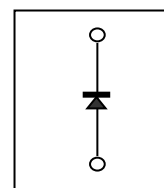
### ●External dimensions (Unit : mm)



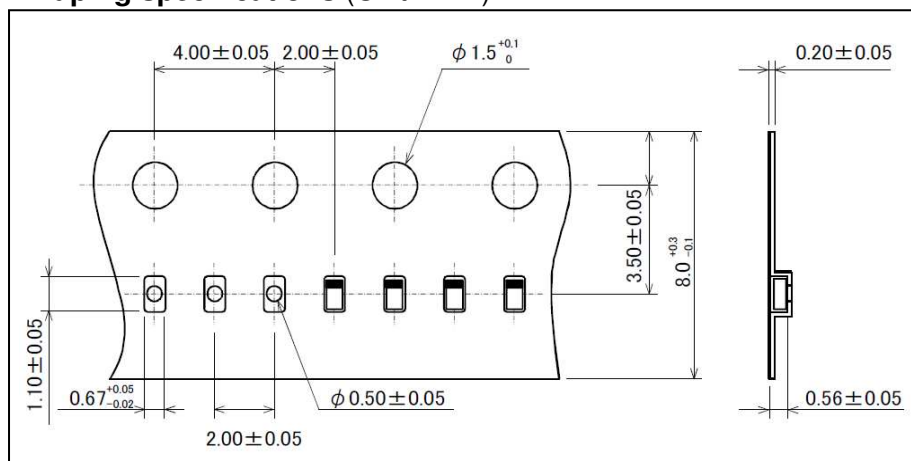
### ●Land size figure (Unit : mm)



### ●Structure



### ●Taping specifications (Unit : mm)

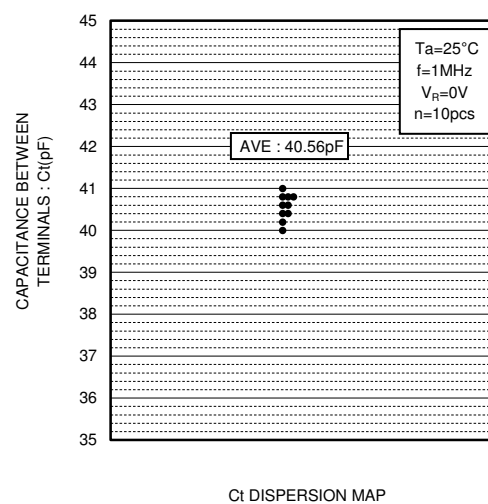
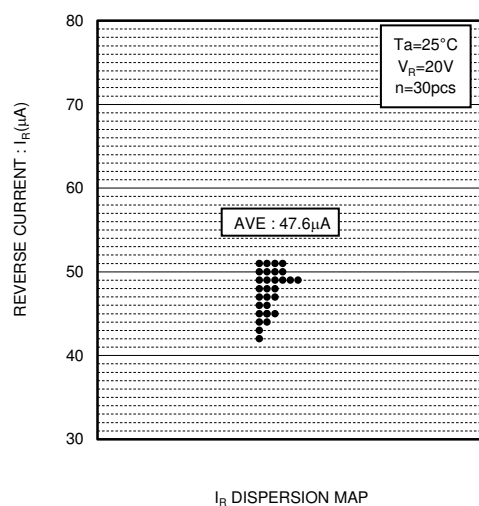
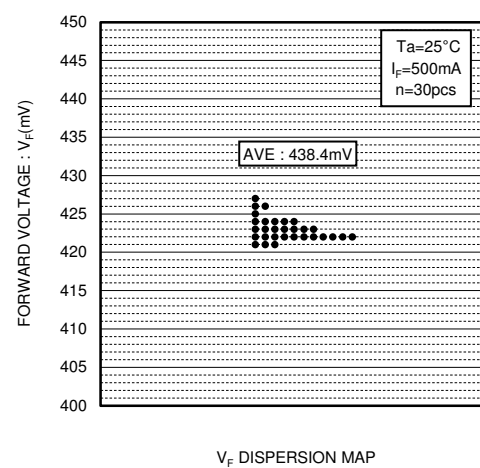
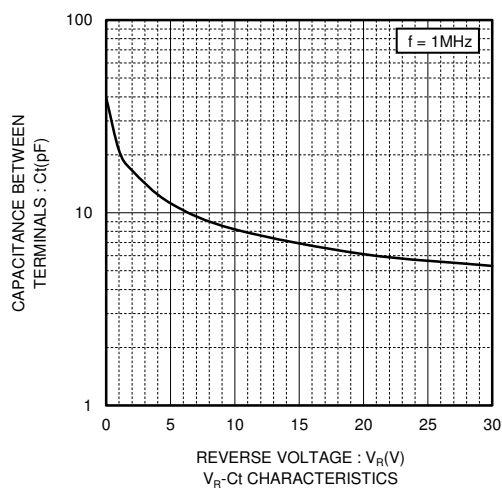
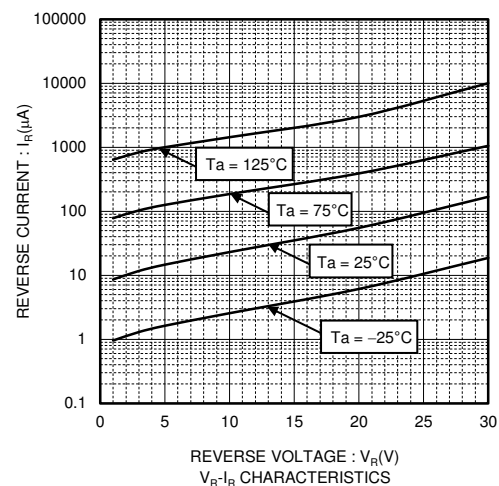
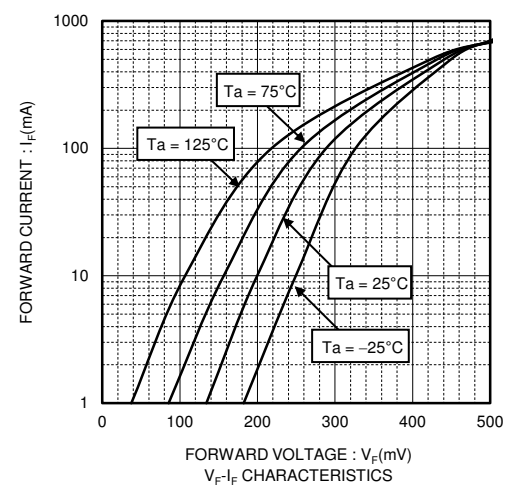


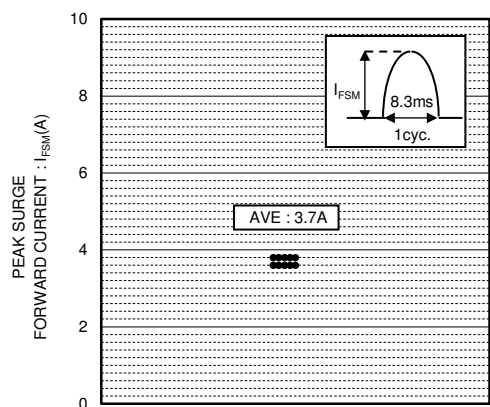
### ●Absolute maximum ratings ( $T_c = 25^\circ\text{C}$ )

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	30	V
Reverse voltage (DC)	$V_R$	20	V
Average rectified forward current	$I_o$	500	mA
Forward current surge peak (60Hz·1cyc)	$I_{FSM}$	1	A
Junction temperature	$T_j$	125	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-40 to +125	$^\circ\text{C}$

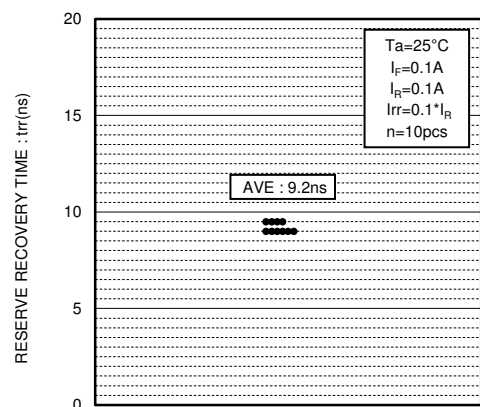
### ●Electrical characteristics ( $T_j = 25^\circ\text{C}$ )

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	-	-	0.53	V	$I_F=500\text{mA}$
Reverse current	$I_R$	-	-	150	$\mu\text{A}$	$V_R=20\text{V}$

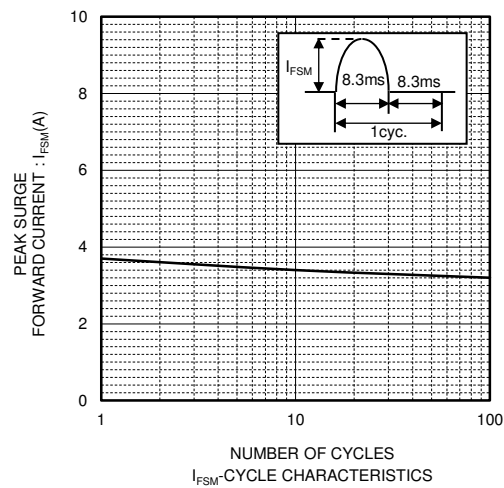




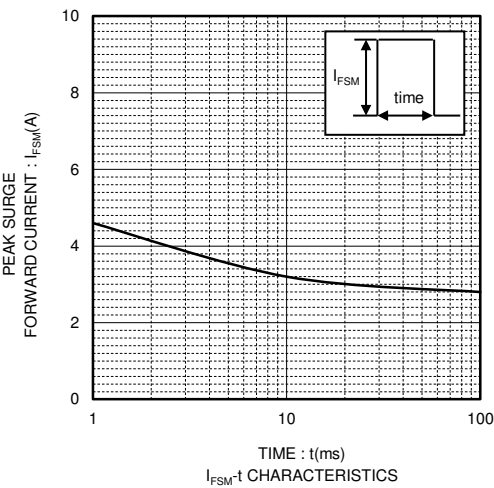
$I_{FSM}$  DISPERSION MAP



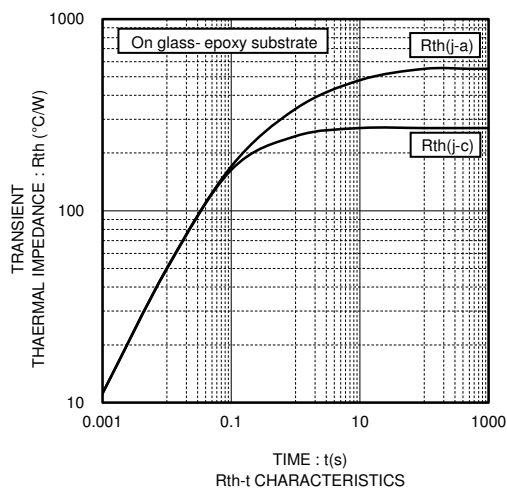
$t_{rr}$  DISPERSION MAP



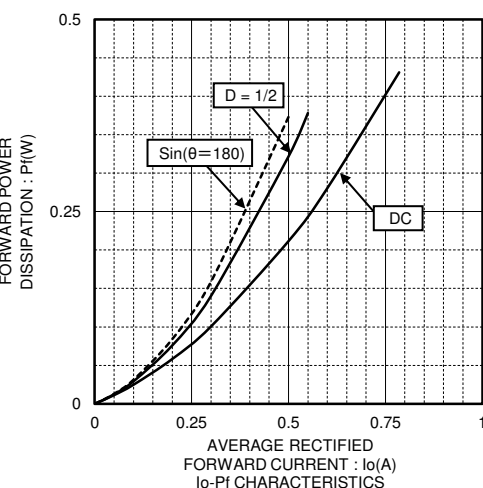
$I_{FSM}$  CYCLE CHARACTERISTICS



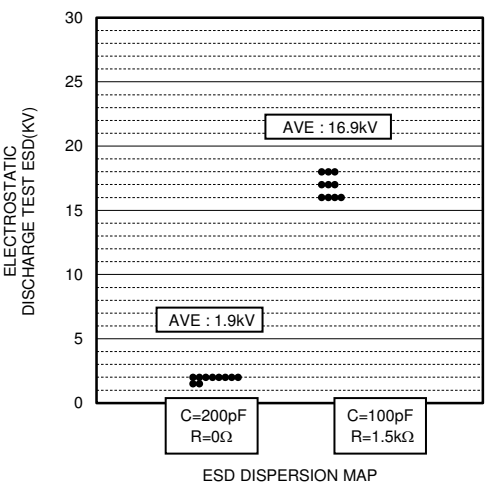
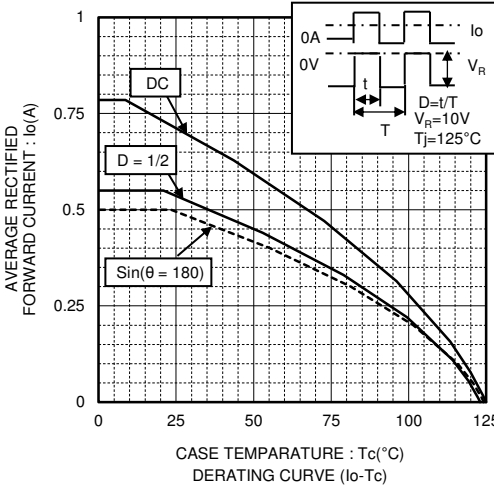
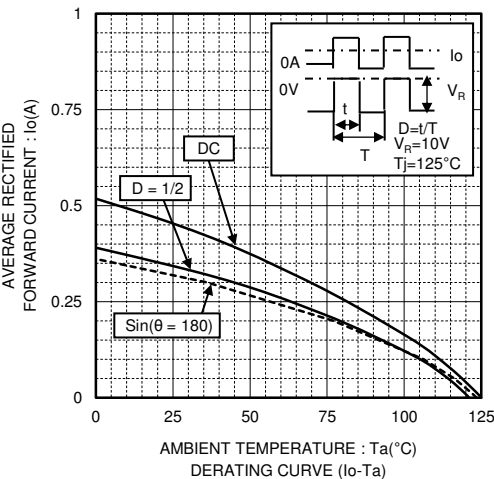
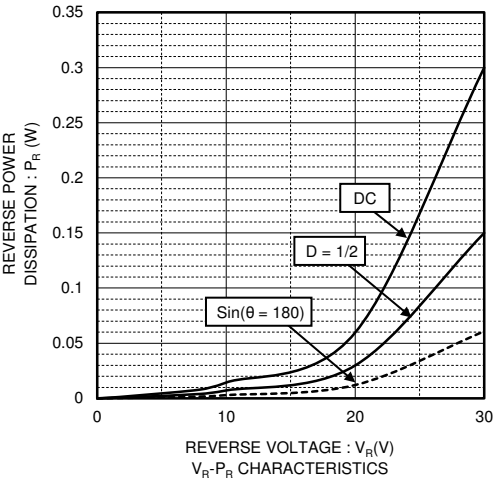
$I_{FSM}$ - $t$  CHARACTERISTICS



$R_{th}$ - $t$  CHARACTERISTICS



$I_o$ - $P_f$  CHARACTERISTICS



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