

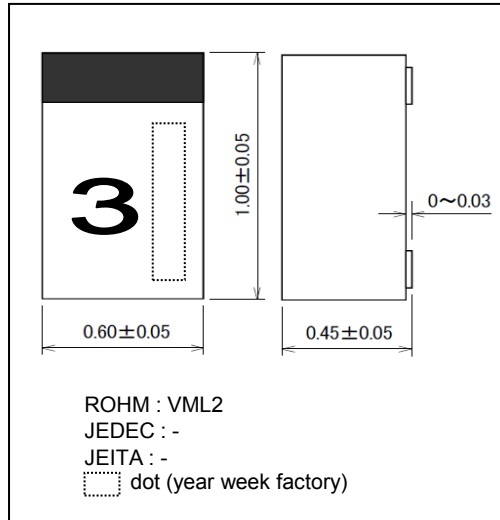
●Application

Small current rectification

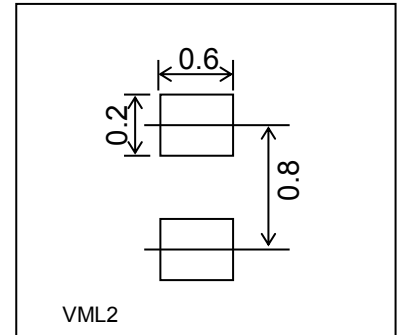
●Features

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

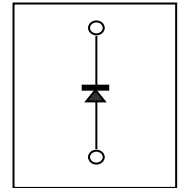
●External dimensions (Unit : mm)



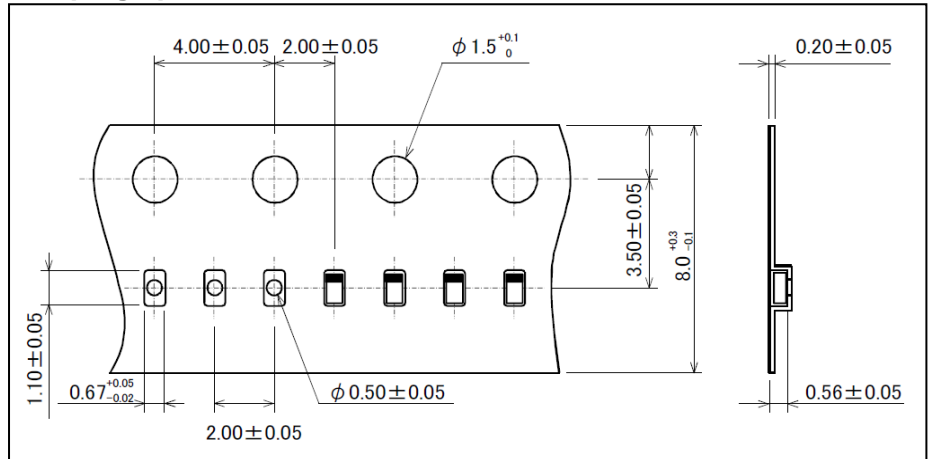
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)

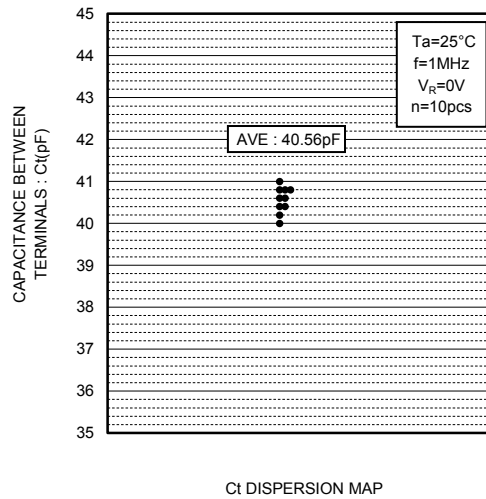
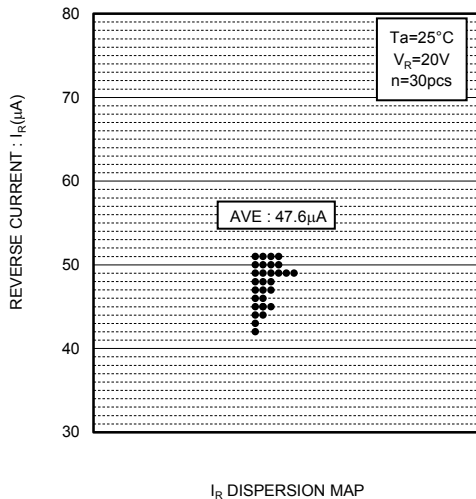
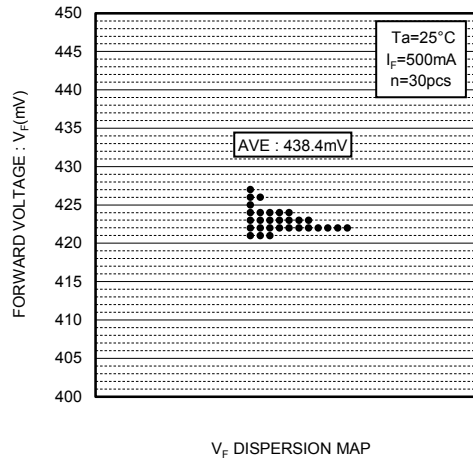
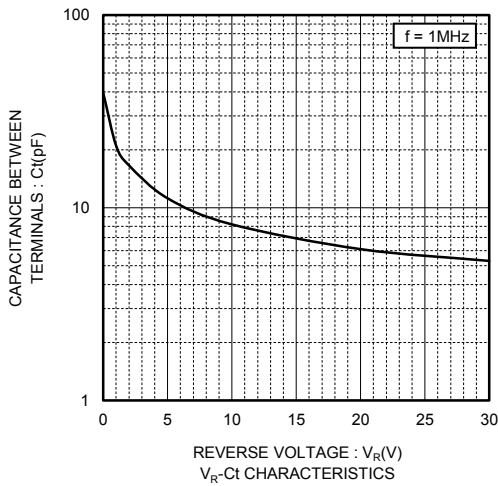
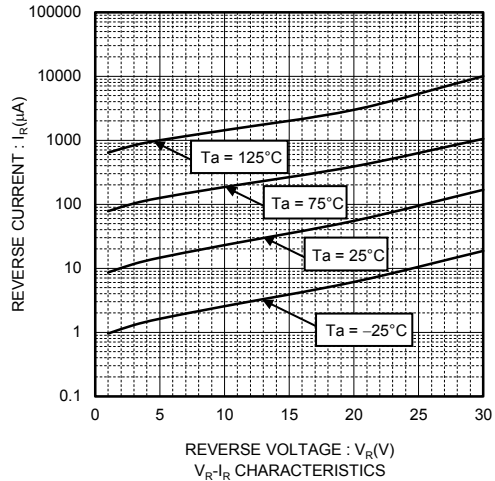
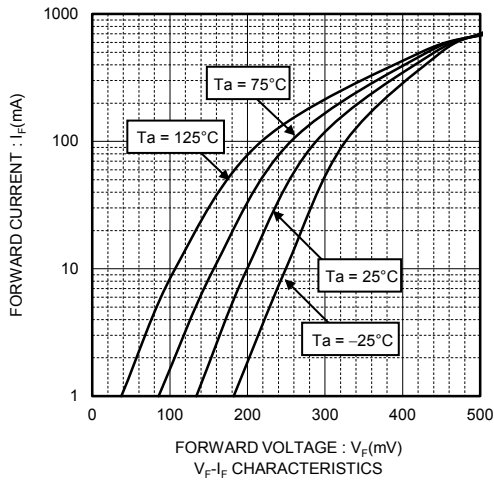


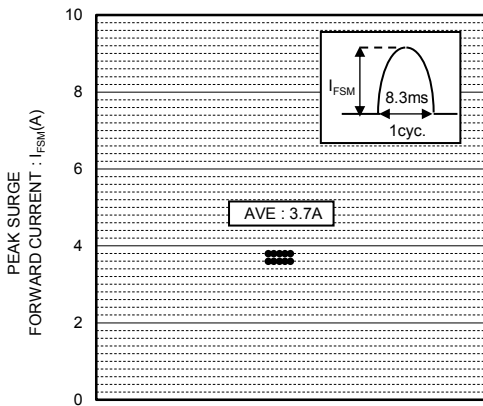
●Absolute maximum ratings (Tc = 25°C)

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	°C
Storage temperature	T_{stg}	-40 to +125	°C

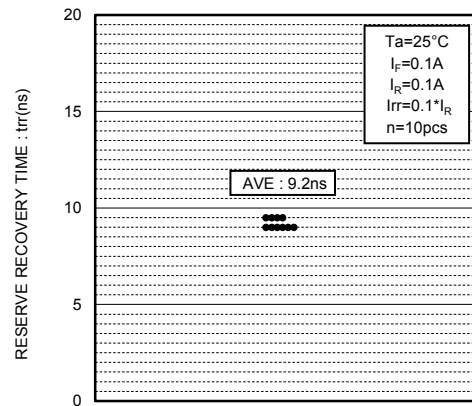
●Electrical characteristics (Tj = 25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.53	V	$I_F=500mA$
Reverse current	I_R	-	-	150	μA	$V_R=20V$

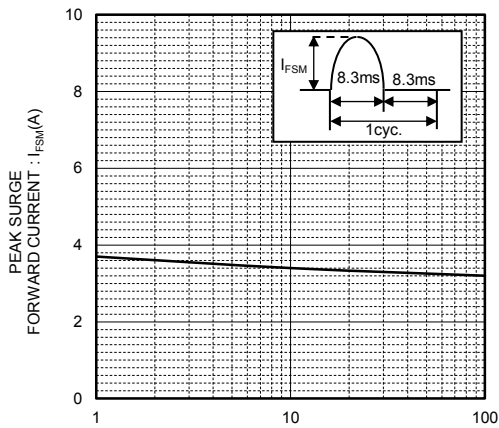




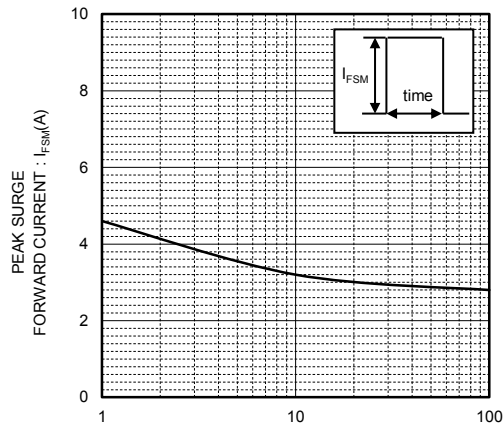
I_{FSM} DISPERSION MAP



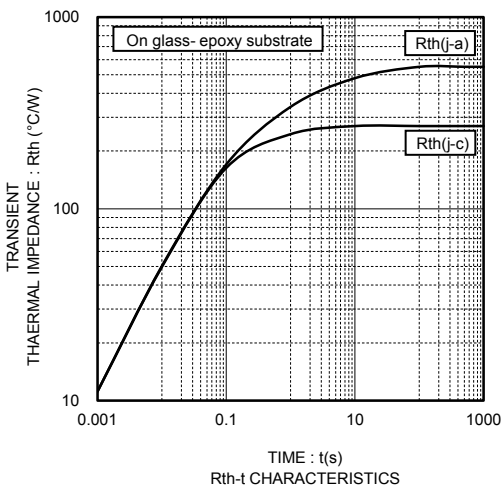
t_{rr} DISPERSION MAP



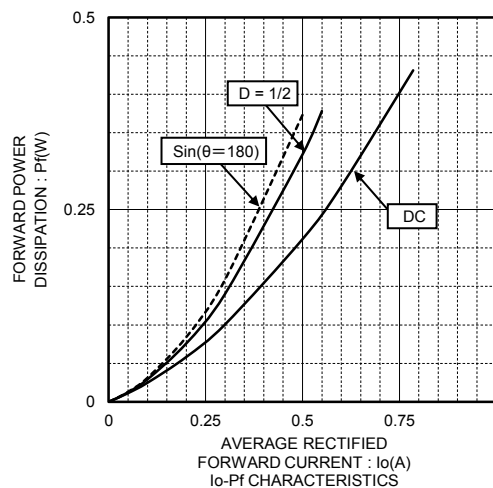
I_{FSM} CYCLE CHARACTERISTICS



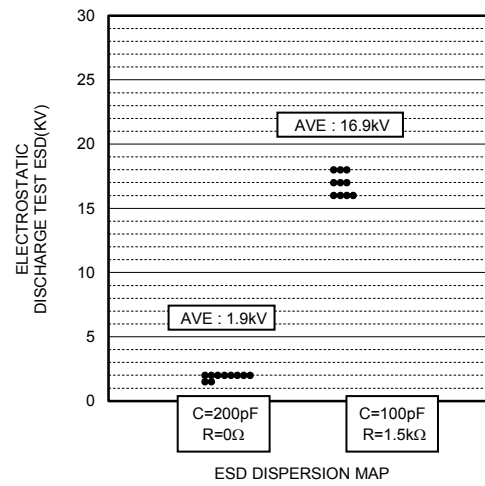
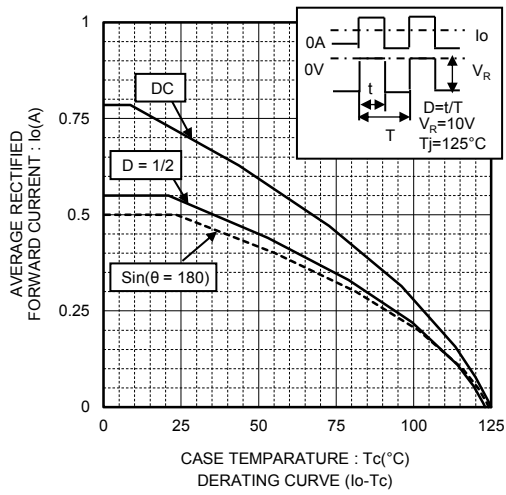
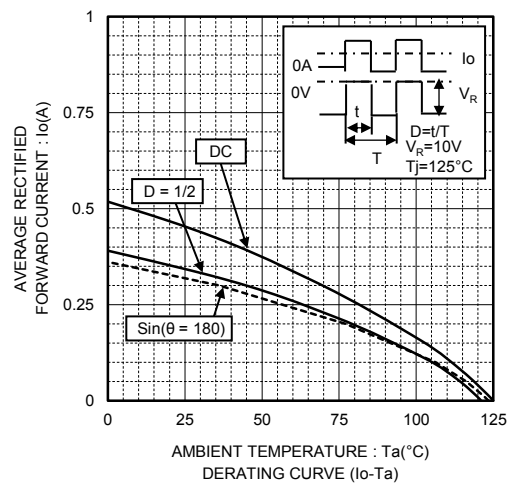
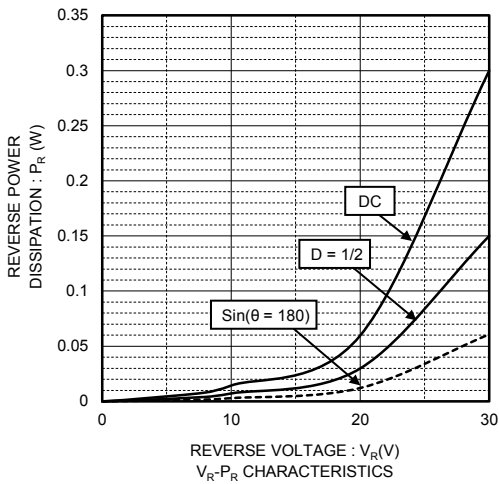
I_{FSM} - t CHARACTERISTICS



R_{th} - t CHARACTERISTICS



I_o - P_f CHARACTERISTICS



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