

●Application

General rectification

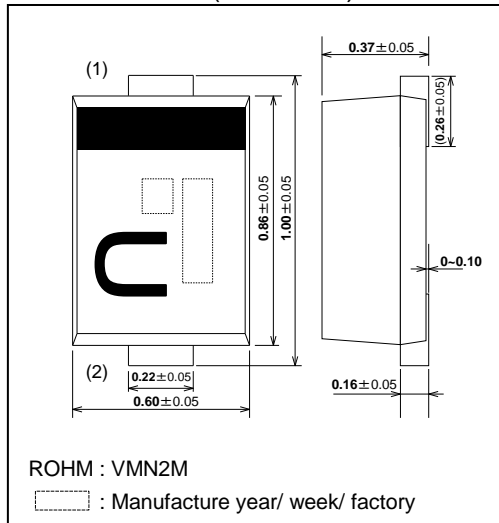
●Features

- 1) Small mold type (VMN2M)
- 2) High reliability
- 3) Low V_F

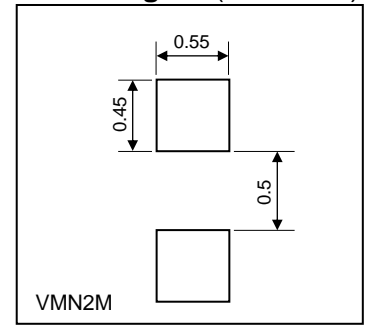
●Construction

Silicon epitaxial planar type

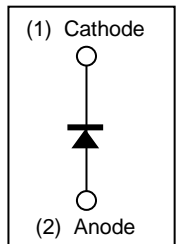
●Dimensions (Unit : mm)



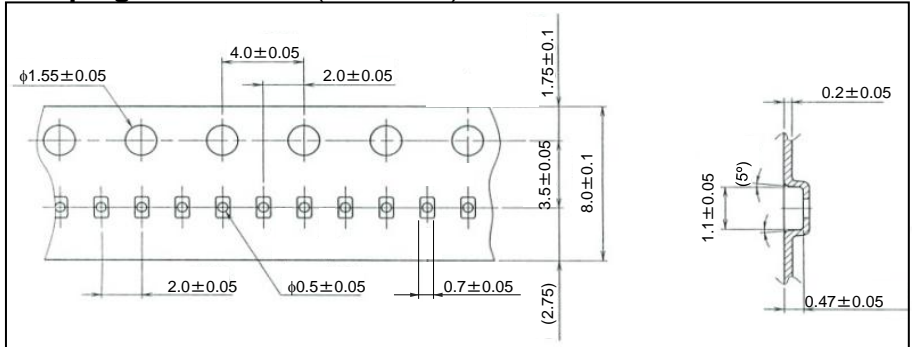
●Land Size Figure (Unit : mm)



●Structure



●Taping Dimensions (Unit : mm)



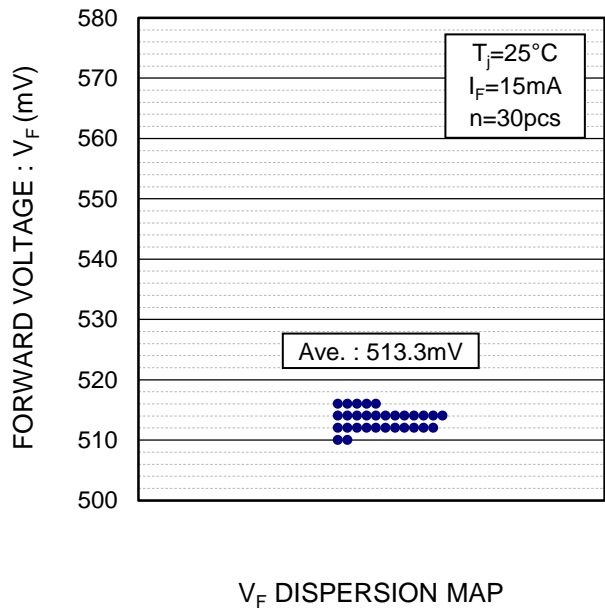
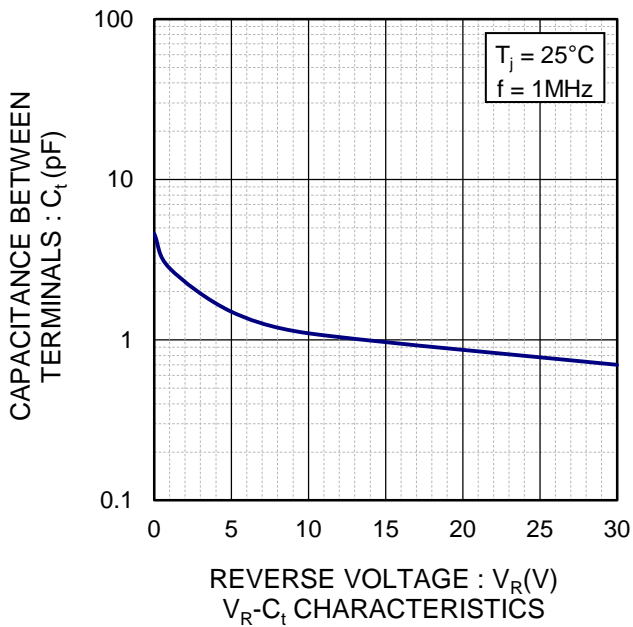
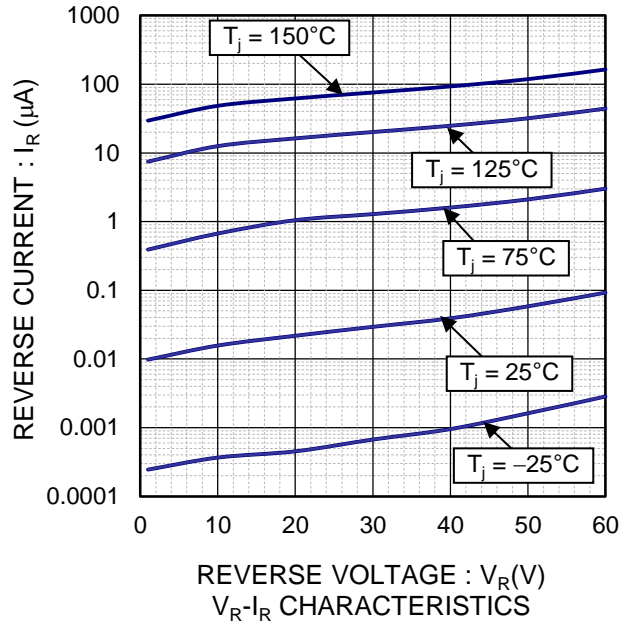
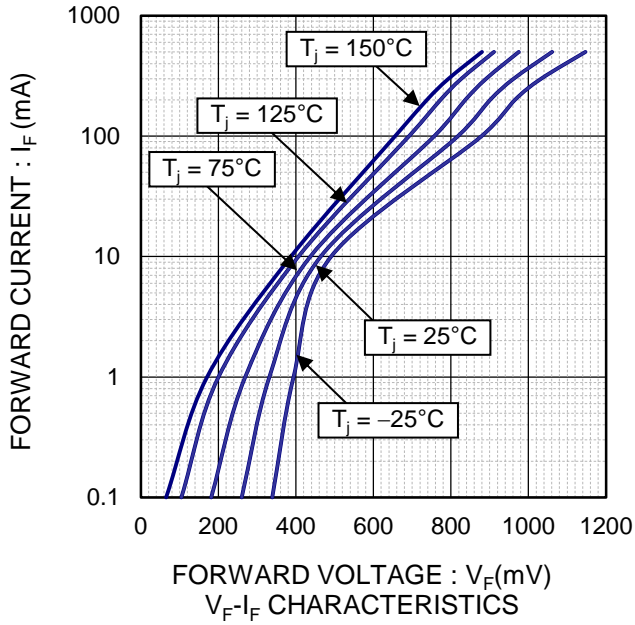
●Absolute Maximum Ratings ($T_c=25^\circ\text{C}$)

Parameter	Symbol	Conditions	Limits	Unit
Repetitive peak reverse voltage	V_{RM}	Duty ≤ 0.5	60	V
Reverse voltage	V_R	Direct reverse voltage	60	V
Average forward rectified current	I_o	Glass epoxy board mounted, 60Hz half sin wave, resistive load	100	mA
Non-repetitive forward current surge peak	I_{FSM}	60Hz half sin wave, Non-repetitive at $T_a=25^\circ\text{C}$, 1cycle	200	mA
Operating junction temperature	T_j	-	150	$^\circ\text{C}$
Storage temperature	T_{stg}	-	-55 to +150	$^\circ\text{C}$

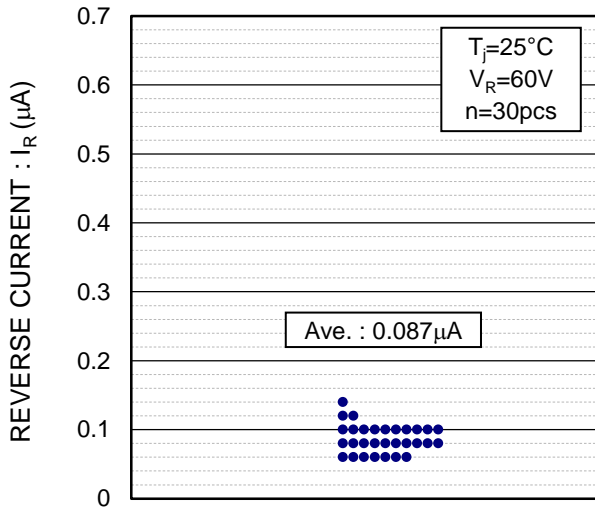
●Electrical Characteristics ($T_j=25^\circ\text{C}$)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward voltage	V_{F1}	$I_F=10\text{mA}$	-	0.47	0.54	V
	V_{F2}	$I_F=15\text{mA}$	-	0.52	0.60	V
Reverse current	I_R	$V_R=60\text{V}$	-	0.09	1	μA

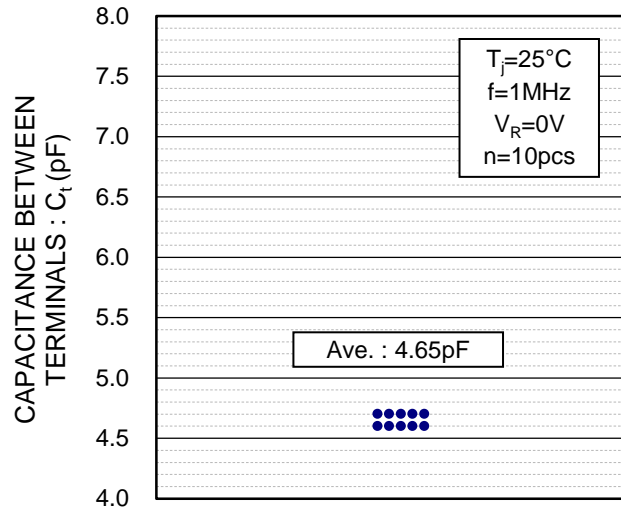
●Electrical Characteristic Curves



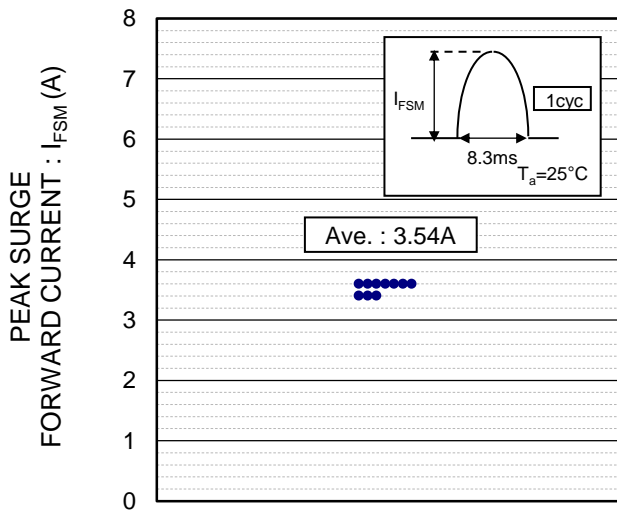
●Electrical Characteristic Curves



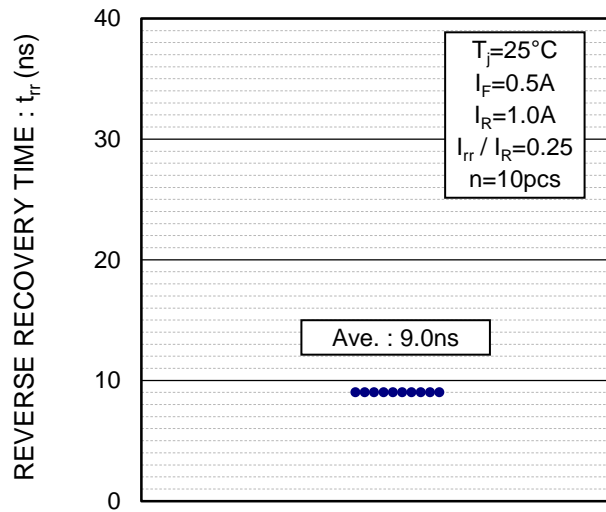
I_R DISPERSION MAP



C_t DISPERSION MAP

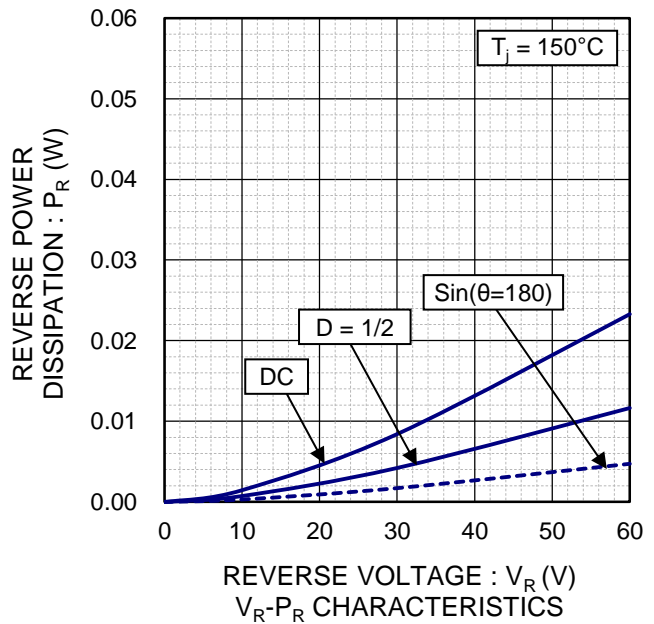
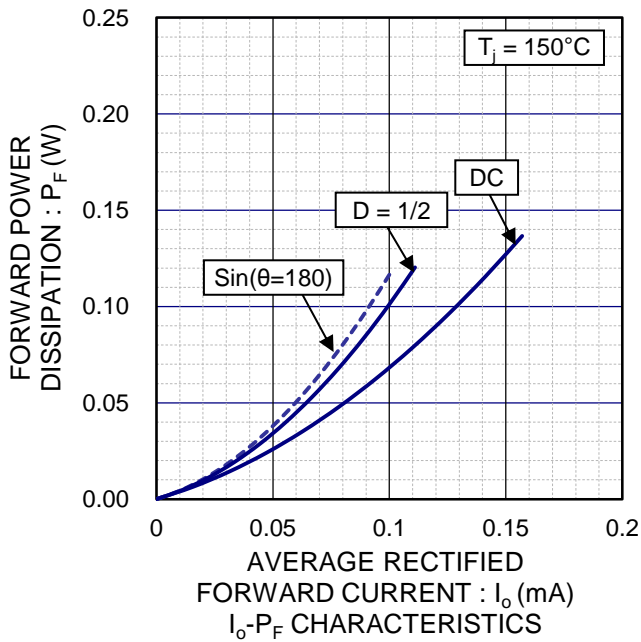
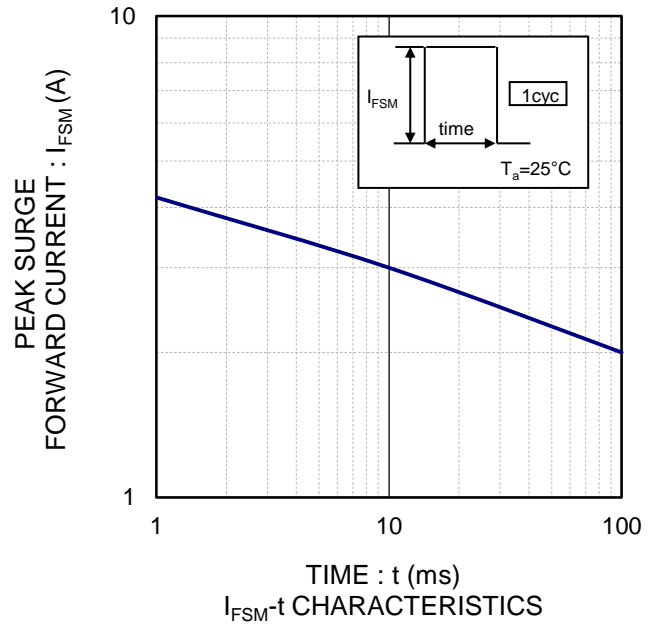
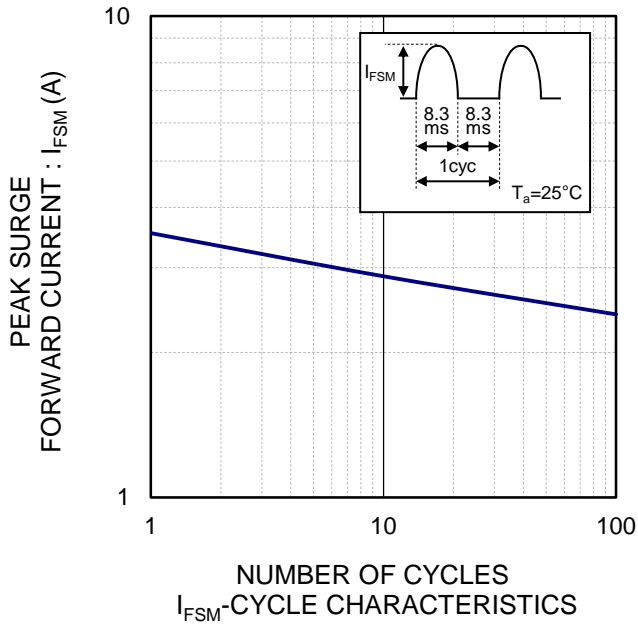


I_{FSM} DISPERSION MAP

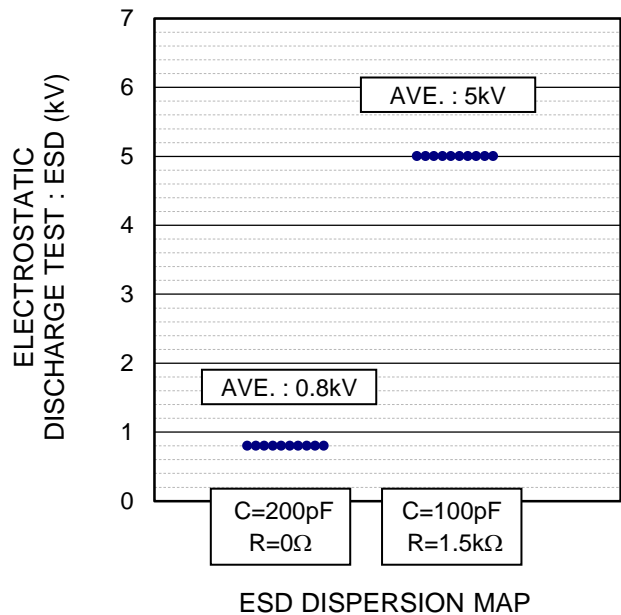
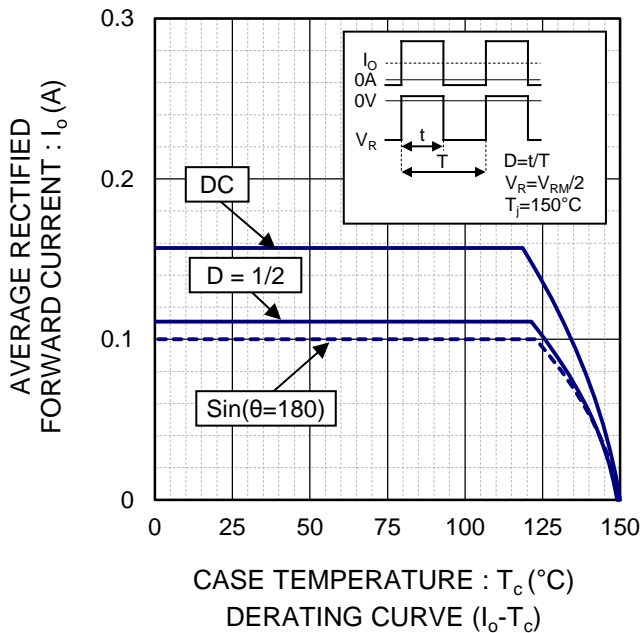
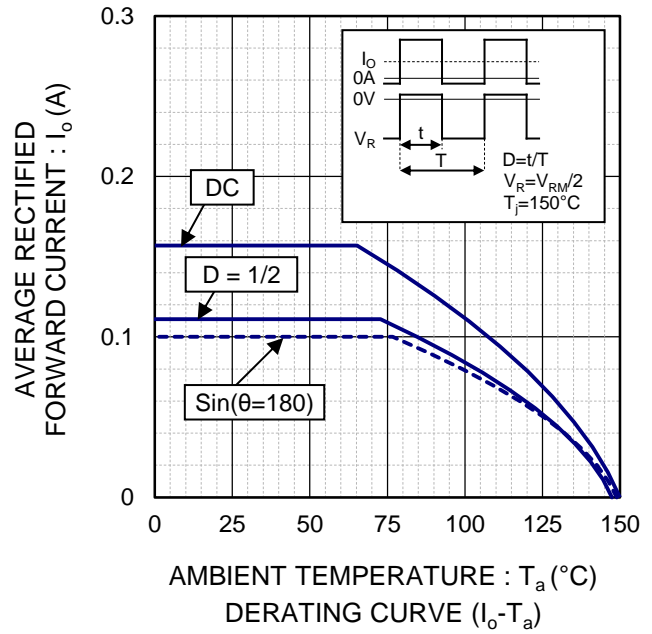
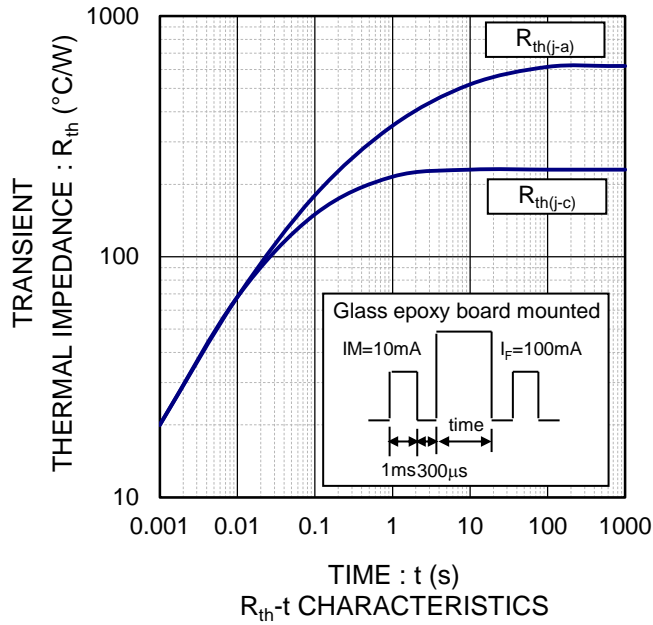


t_{rr} DISPERSION MAP

●Electrical Characteristic Curves



●Electrical Characteristic Curves



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