

Switching Diode

Data Sheet

Application

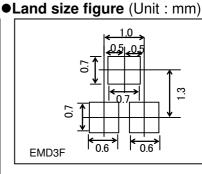
High frequency switching

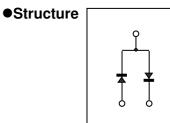
Features

- 1) Ultra small mold type (EMD3F)
- 2) High reliability

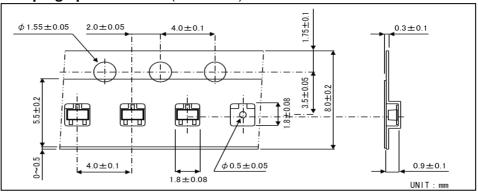
Construction

Silicon epitaxial planar





• **Taping specifications** (Unit : mm)



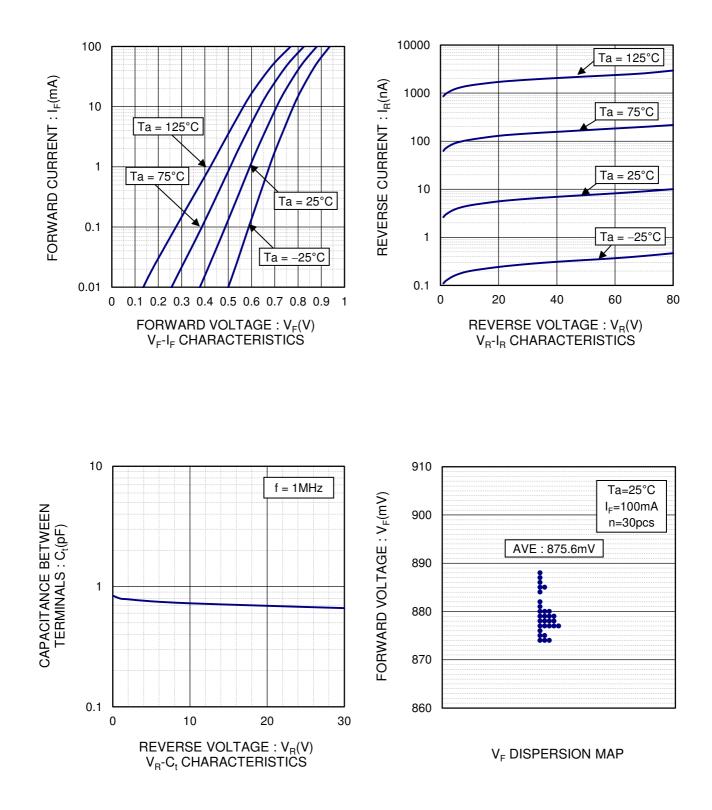
• Absolute maximum ratings $(T_a = 25^{\circ}C)$

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V_{RM}	80	V
Reverse voltage (DC)	V _R	80	V
Forward voltage(repetitive peak)	I _{FM}	300	mA
Average rectified forward current	I _o	100	mA
Surge current (t=1us)	I _{surge}	4	А
Power dissipation	Pd	150	mW
Junction temperature	Τ _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

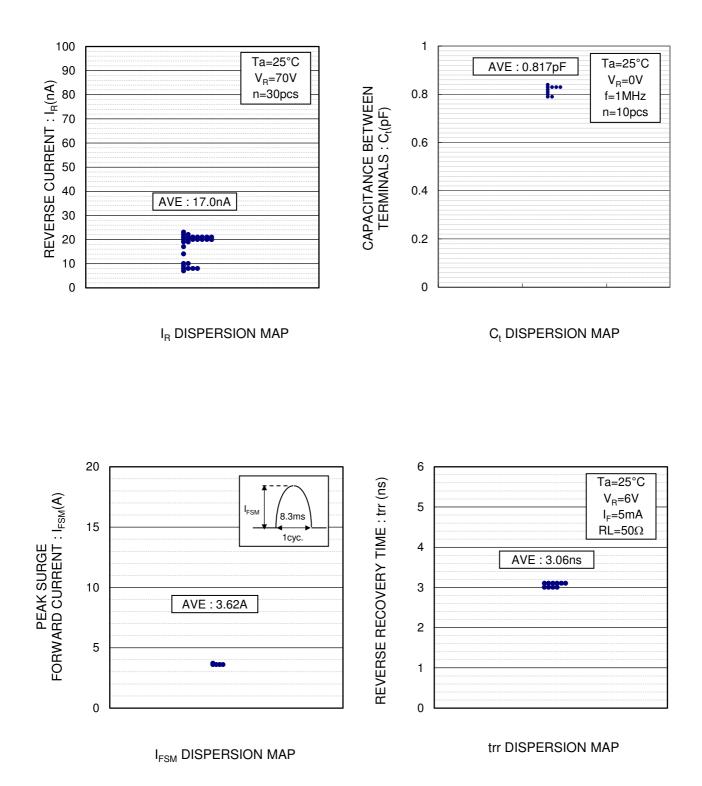
•Electrical characteristics ($T_a = 25^{\circ}C$)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V _F	-	-	1.2	V	I _F =100mA
Reverse current	I _R	-	-	0.1	μA	V _R =70V
Capacitance between terminals	Ct	I	-	3.5	pF	V _R =6V, f=1MHz
Reverse recovery time	trr	-	-	4	ns	V_R =6V, I _F =5mA, RL=50 Ω

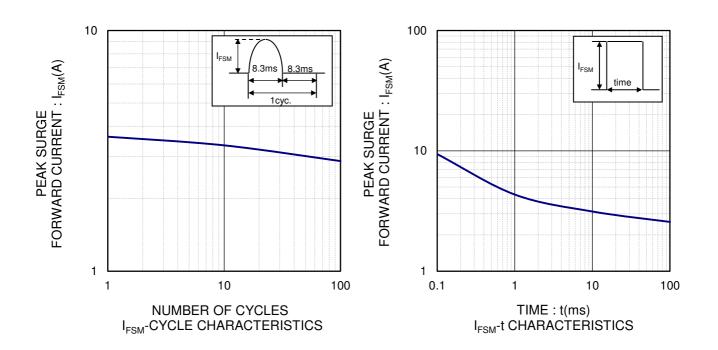
•Electrical characteristic curves

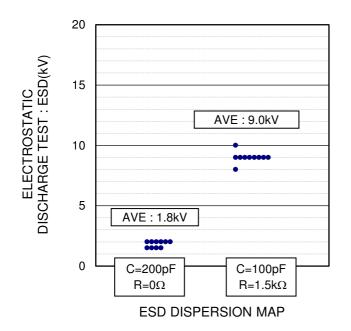


•Electrical characteristic curves



•Electrical characteristic curves





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