

Switching Diode

FMN1

Applications

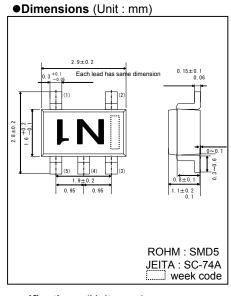
Ultra high speed switching

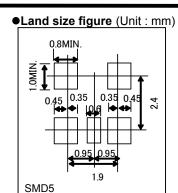
Features

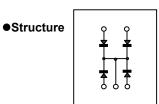
- 1) Small mold type. (SMD5)
- 2) High reliability.

Construction

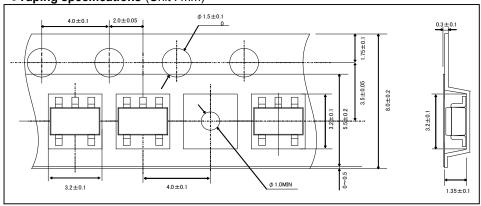
Silicon epitaxial planar







●Taping specifications (Unit : mm)

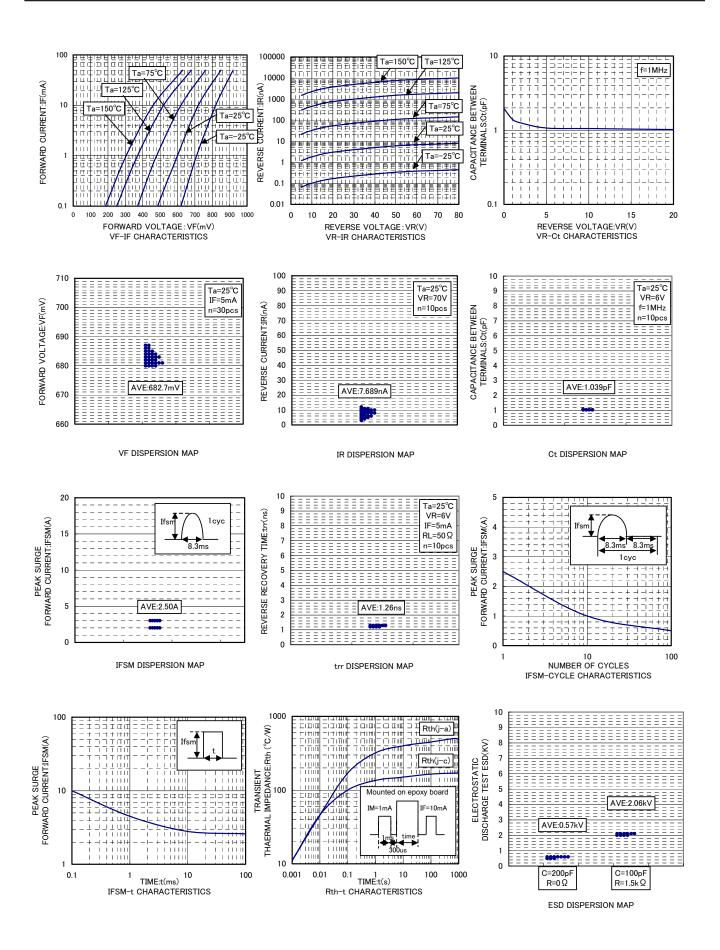


●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V_{RM}	80	V
Reverse voltage (DC)	V_R	80	V
Forward current (Single)	I_{FM}	80	mA
Average rectified forward current (Single)	lo	25	mA
Surge current (t=1us)	I _{surge}	250	mA
Power dissipation	Pd	80	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	−55 to +150	°C

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V_{F}	-	-	0.9	V	I _F =5mA
Reverse current	I _R	-	-	0.1	μΑ	V _R =70V
Capacitance between terminals	Ct	-	-	3.5	pF	V _R =6V , f=1MHz
Reverse recovery time	trr	-	-	4	ns	V_R =6 V , IF=5 mA , RL=50 Ω



Notes

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