Switching diode **UMN1N**

Application

Ultra high speed switching

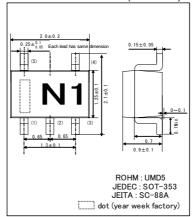
Features

- 1) Small mold type. (UMD5)
- 2) High reliability

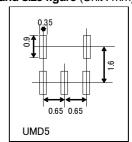
Construction

Silicon epitaxial planar

●External dimensions (Unit : mm)



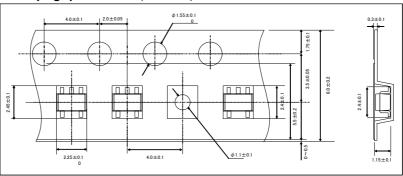
●Land size figure (Unit : mm)



Structure



● Taping specifications (Unit : mm)



● Absolute maximum ratings (Ta=25°C)

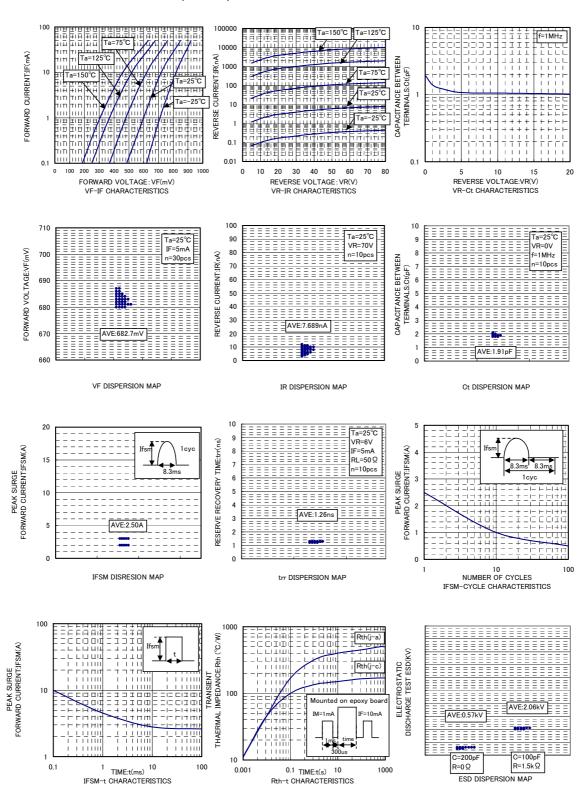
Parameter	Symbol	Limits	Unit	
Reverse voltage (repetitive peak)	V_{RM}	80	V	
Reverse voltage (DC)	V_R	80	V	
Forward current (Single)	I _{FM}	80	mA	
Average rectified forward current (Single)	lo	25	mA	
Surge current (t=1us)	I _{surge}	250	mA	
Power dissipation	Pd	150	mW	
Junction temperature	Tj	150	°C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

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●Electrical characteristic curves (Ta=25°C)



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