Switching Diode

UMN11N Data Sheet

Applications

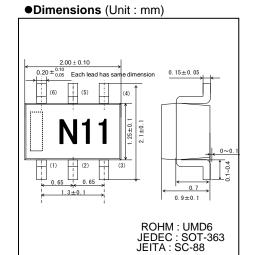
Ultra high speed switching

Features

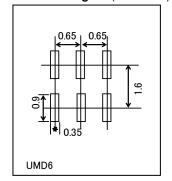
- 1) Small mold type. (UMD6)
- 2) High reliability.

Construction

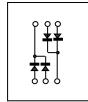
Silicon epitaxial planar



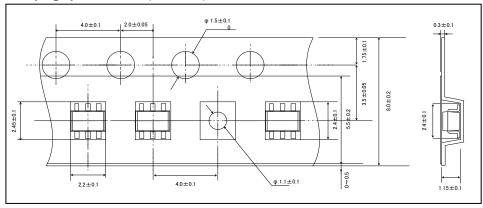
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



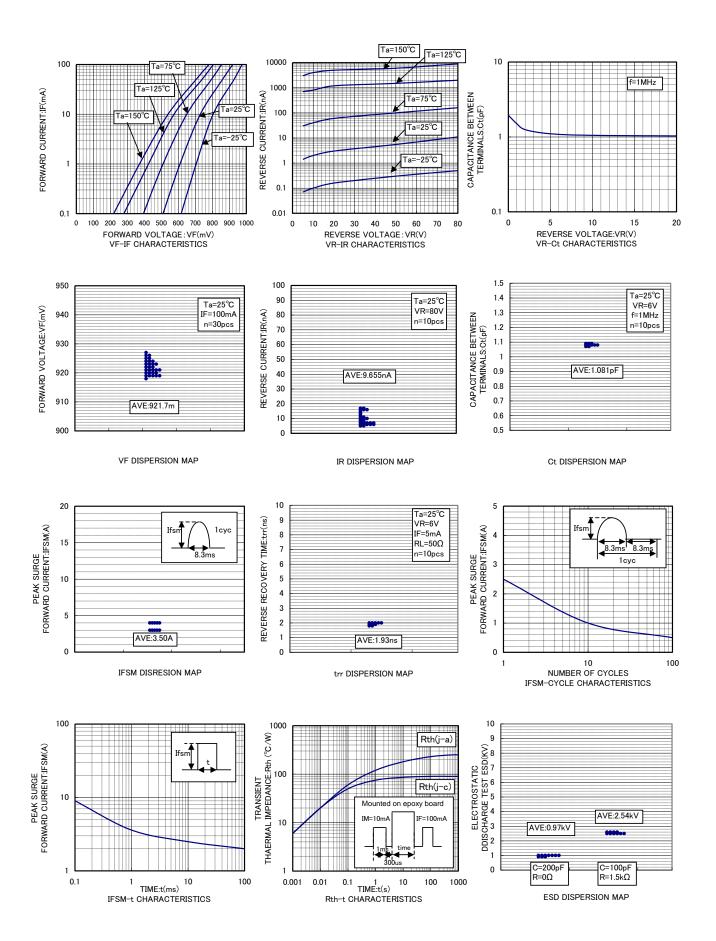
dot (year week factory)

● 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}	300	mA				
Average rectified forward current (single)	lo	100	mA				
Surge current (t=1us)	I _{surge}	4	Α				
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}	-	-	1.2	V	I _F =100mA
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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