

DA227

Diodes

Switching diode

DA227

● Applications

Ultra high speed switching

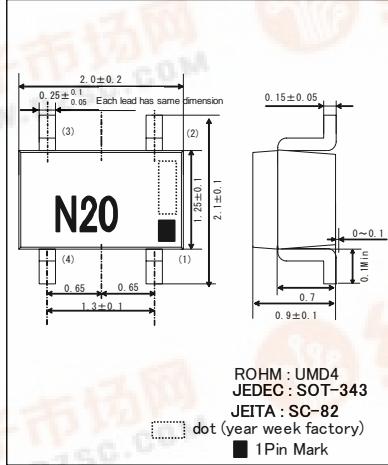
● Features

- 1) Small mold type. (UMD4)
- 2) High reliability.

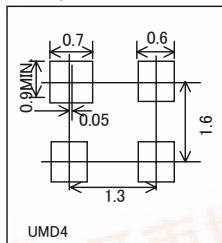
● Construction

Silicon epitaxial planar

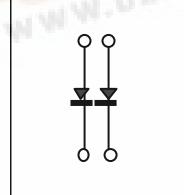
● External dimensions (Unit : mm)



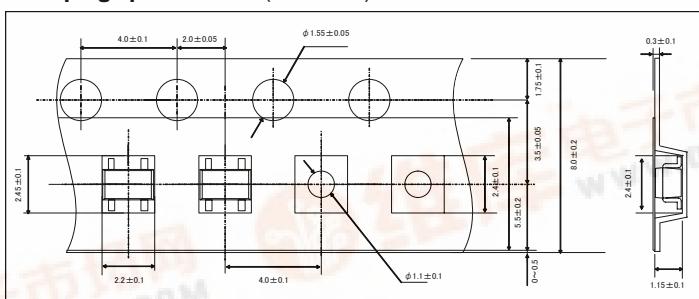
● Land size figure (Unit : mm)



● Structure



● Taping specifications (Unit : mm)



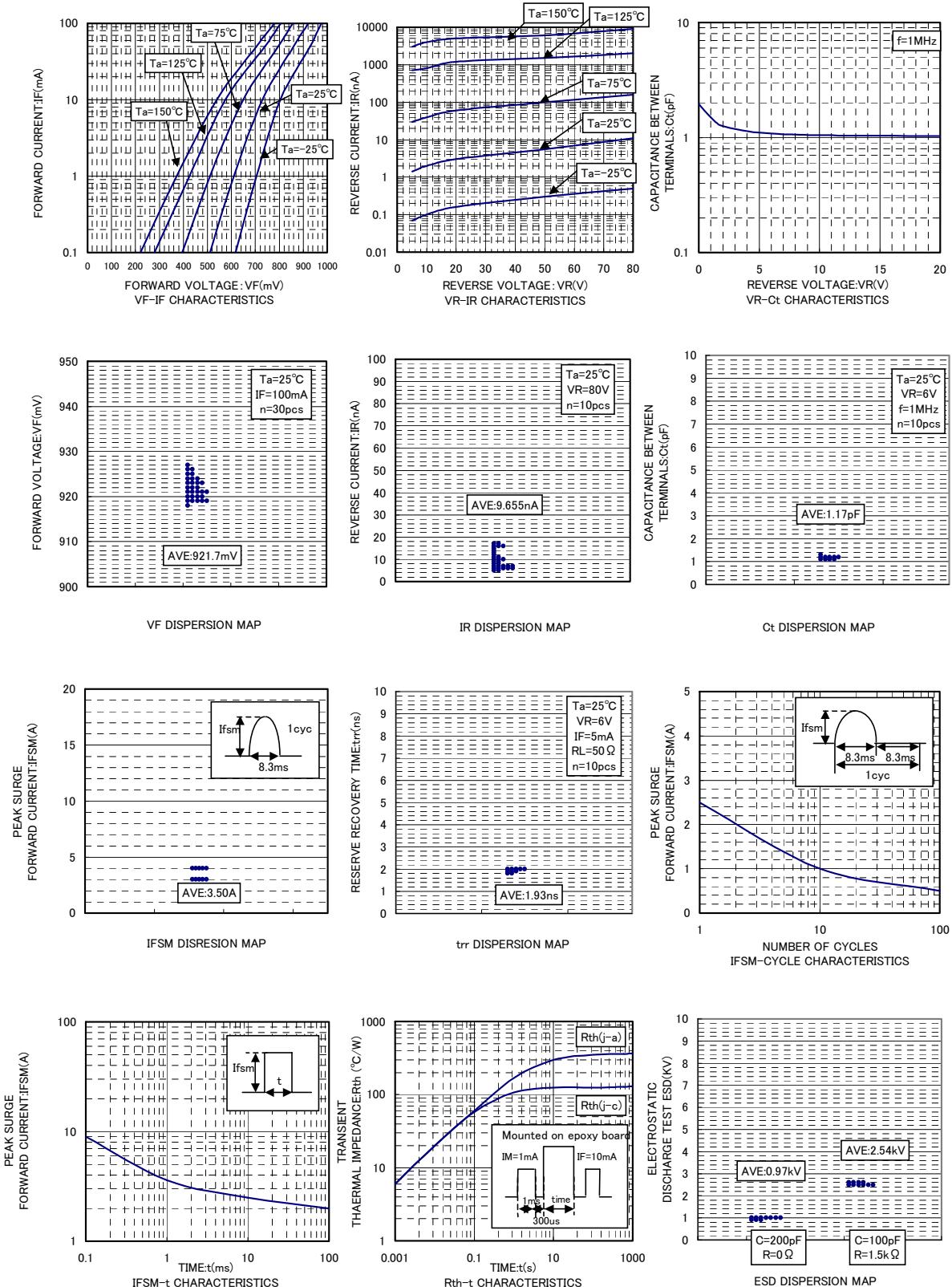
● Absolute maximum ratings (Ta=25°C)

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

● Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	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	C _t	-	-	3.5	pF	V _R =6V, f=1MHz
Reverse recovery time	trr	-	-	4	ns	V _R =6V, IF=5mA, RL=50Ω

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●Electrical characteristic curves ($T_a=25^\circ\text{C}$)

Appendix

Notes

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