

Switching diode

DA228U

●Applications

Ultra high speed switching

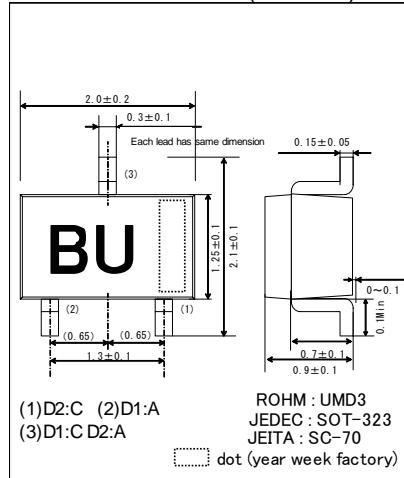
●Features

- 1) Ultra small mold type. (UMD3)
- 2) High reliability

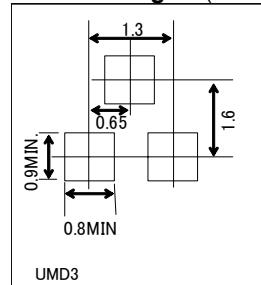
●Construction

Silicon epitaxial planar

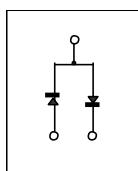
●External dimensions (Unit : mm)



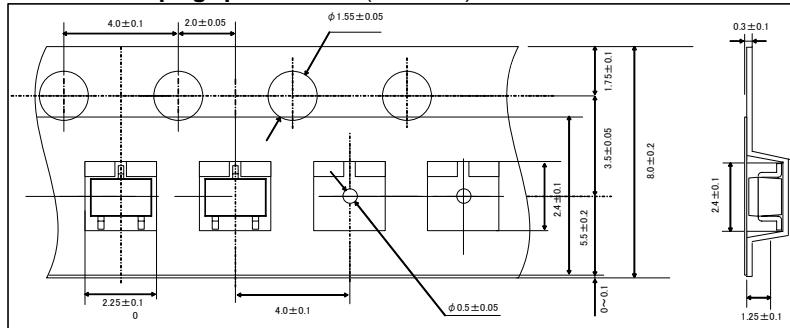
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



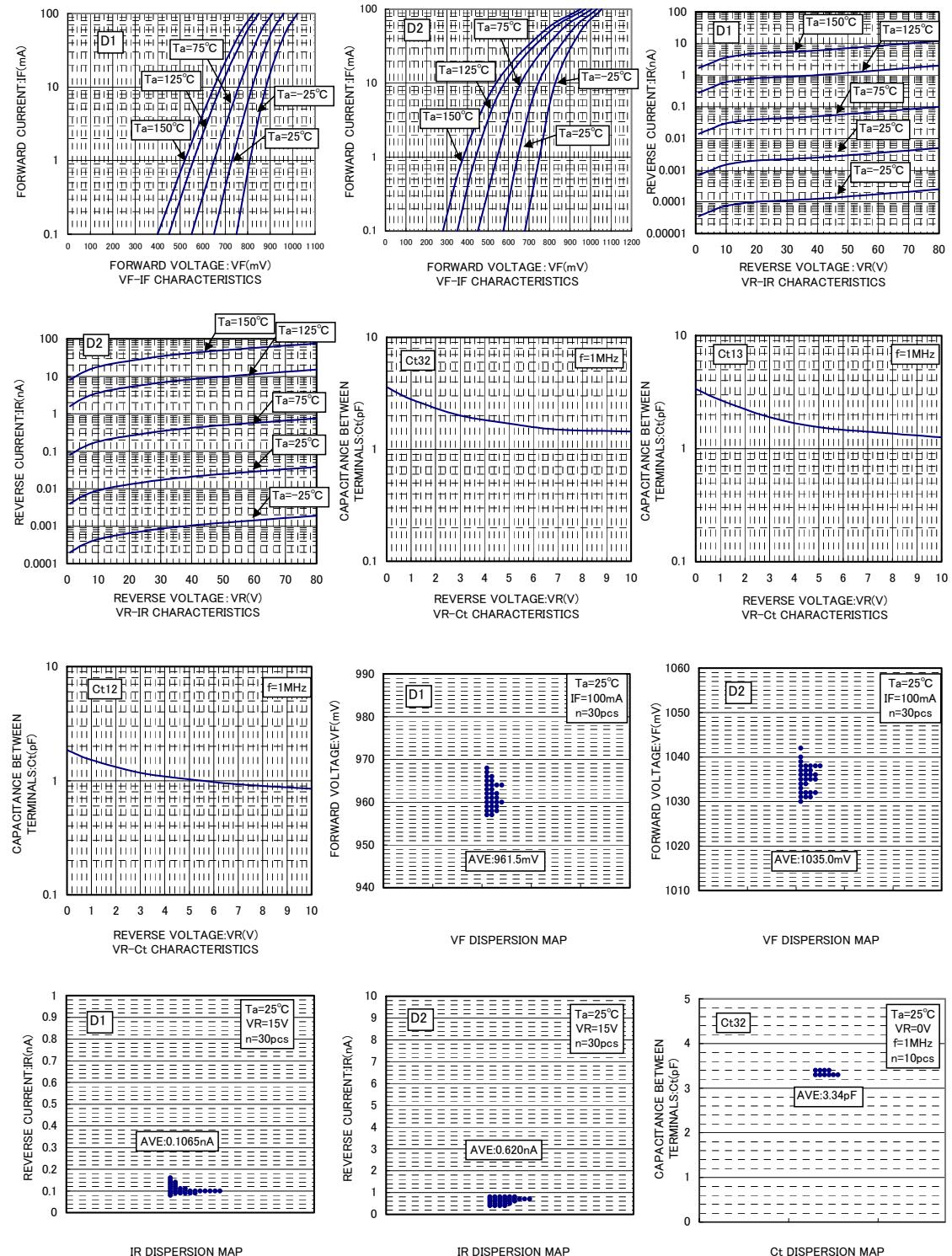
●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	80	V
Reverse voltage (DC)	V_R	80	V
Forward current (Single)	I_{FM}	200	mA
Average rectified forward current (Single)	I_o	100	mA
Surge current ($t=1\mu s$) (Single)	I_{surge}	300	mA
Power dissipation	P_d	200	mW/Total
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C
Rated in slash put frequency	f	100	MHz

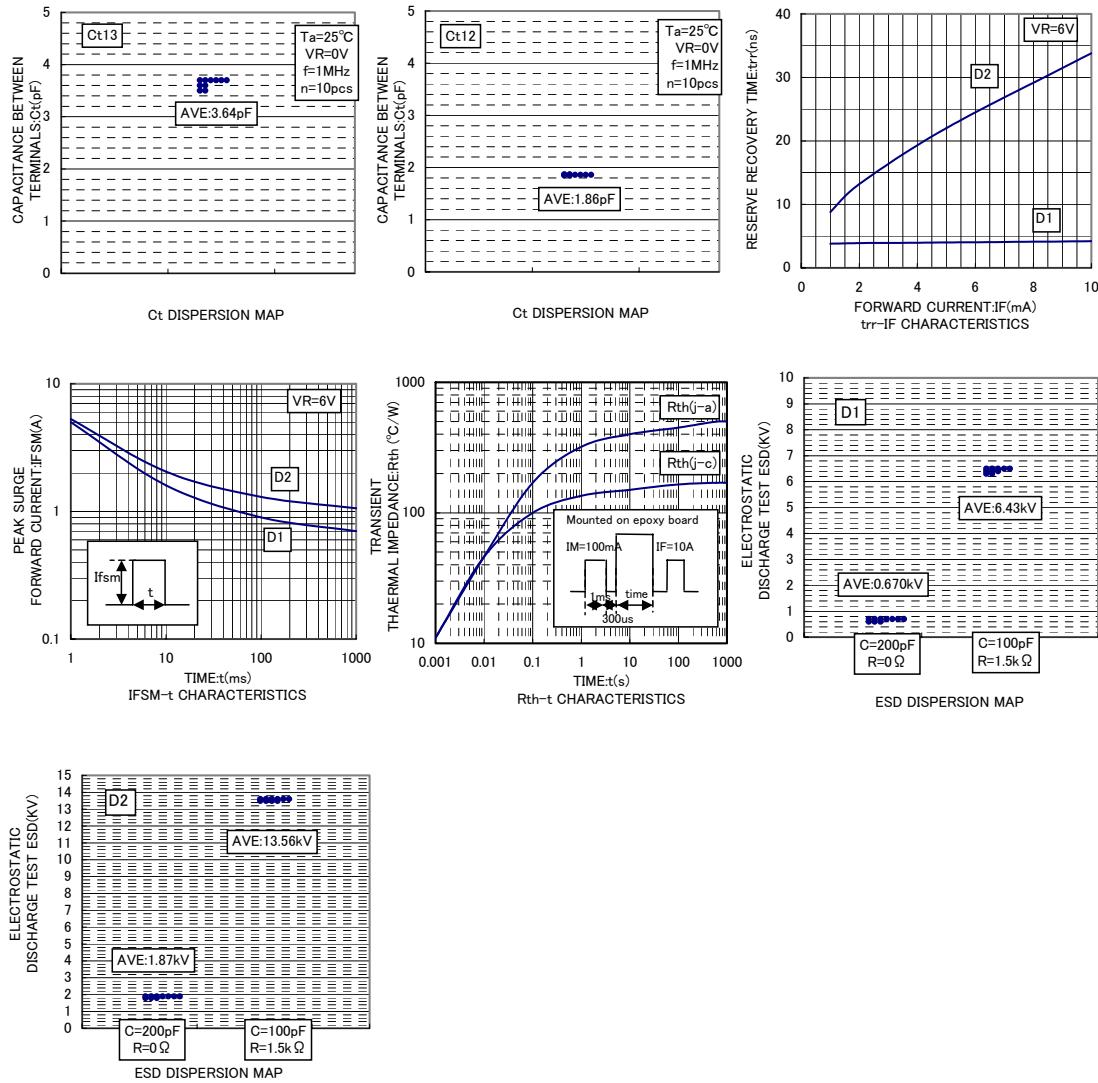
●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	1.2	V	$I_F=100\text{mA}$
Reverse current	I_R	-	-	0.1	μA	$V_R=80\text{V}$
Capacitance between terminals	Ct32	-	-	5.0	pF	$V_R=0\text{V}$, $f=1\text{MHz}$
	Ct13	-	-	6.5	pF	
	Ct12	-	-	5.0	pF	

Diodes

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

Diodes



Appendix

Notes

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