

Zener Diode

UMZ18N

● **Applications**

Voltage regulation
(Common anode dual chips)

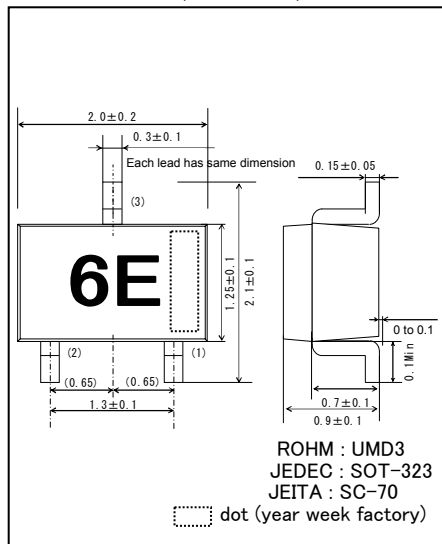
● **Features**

- 1) Small mold type.(UMD3)
- 2) High reliability

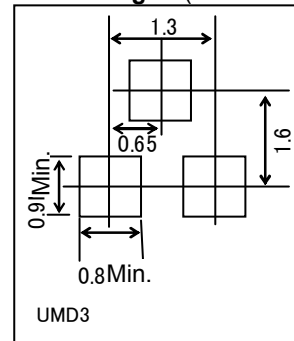
● **Construction**

Silicon epitaxial planer

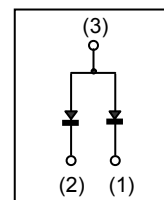
● **Dimensions (Unit : mm)**



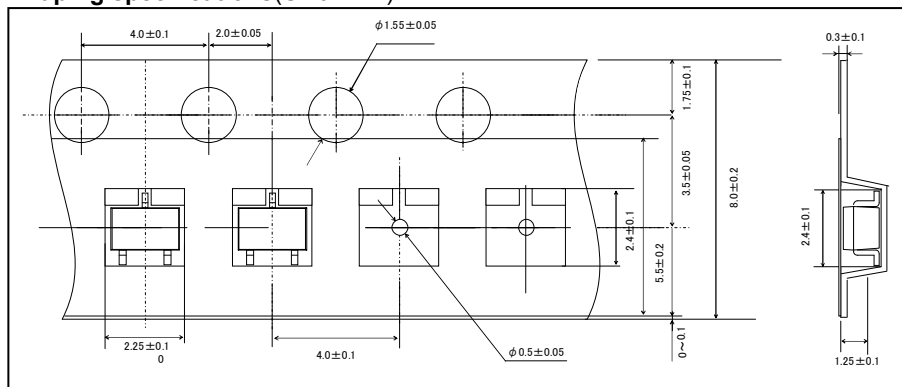
● **Land size figure (Unit : mm)**



● **Structure**



● **Taping specifications (Unit : mm)**



● **Absolute maximum ratings (Ta=25°C)**

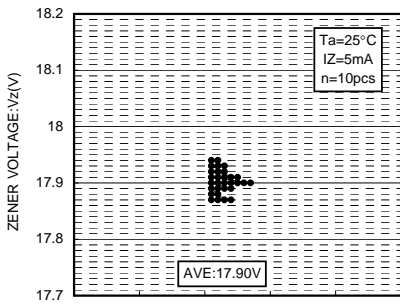
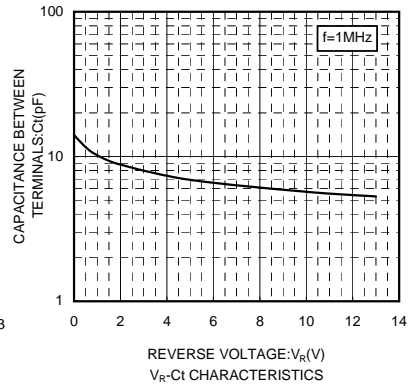
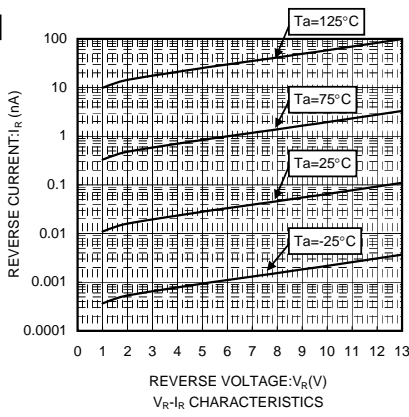
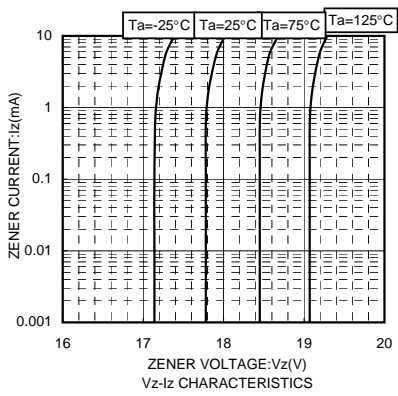
Parameter	Symbol	Limits	Unit
Power dissipation (*1)	P	200	mW
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

(*1) Total of 2 elements

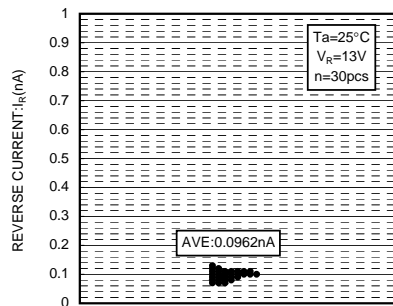
● **Electical characteristic (Ta=25°C)**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V _Z	17.56	-	18.35	V	I _Z =5mA
Reverse current	I _R	-	-	0.10	μA	V _R =13V

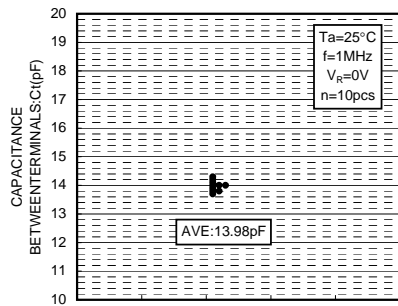
●Electrical characteristic curves



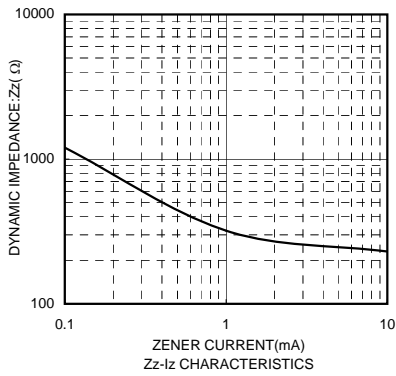
V_Z DISRESION MAP



I_R DISRESION MAP



C_t DISRESION MAP



Notes

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