

# Zener Diode

## UMZ18N

● **Applications**

Voltage regulation  
(Common anode dual chips)

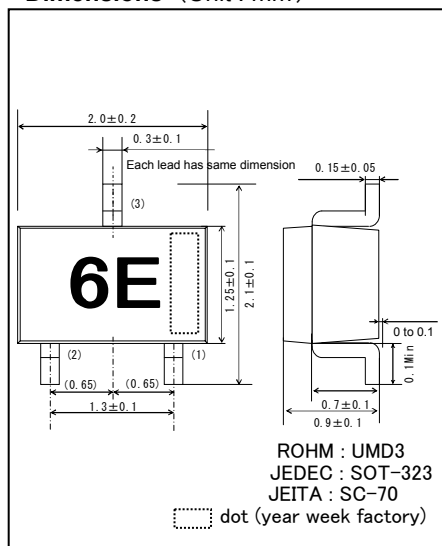
● **Features**

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

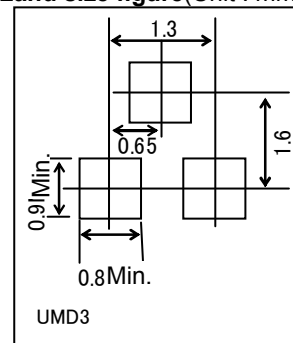
● **Construction**

Silicon epitaxial planer

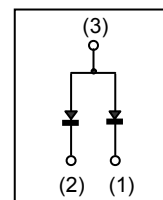
● **Dimensions (Unit : mm)**



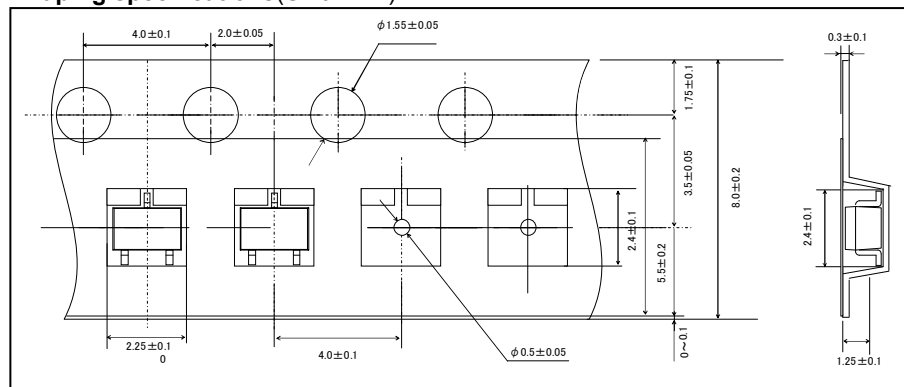
● **Land size figure (Unit : mm)**



● **Structure**



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



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

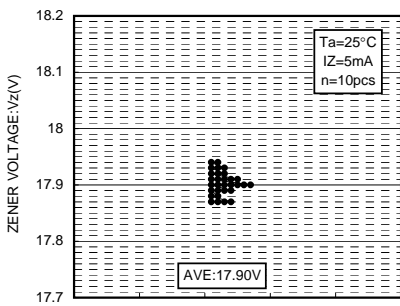
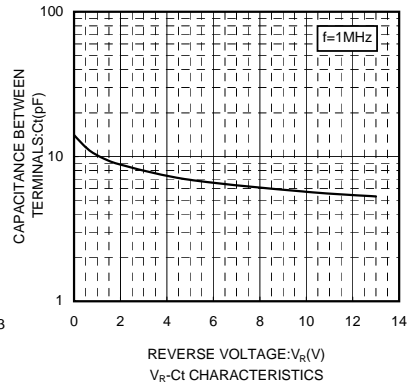
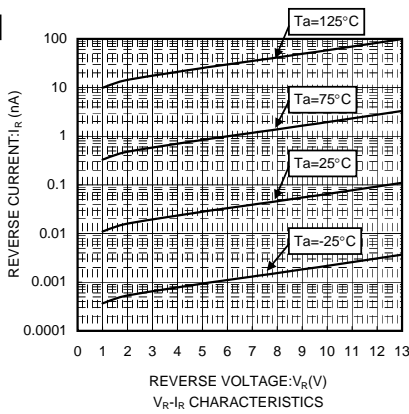
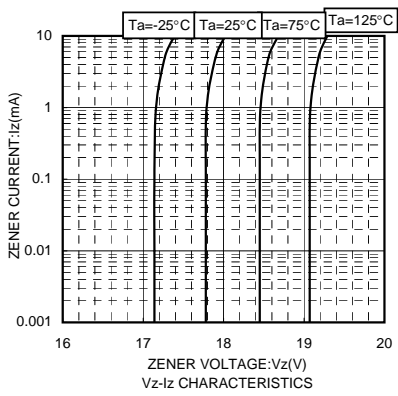
Parameter	Symbol	Limits	Unit
Power dissipation (*1)	P	200	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

(\*1) Total of 2 elements

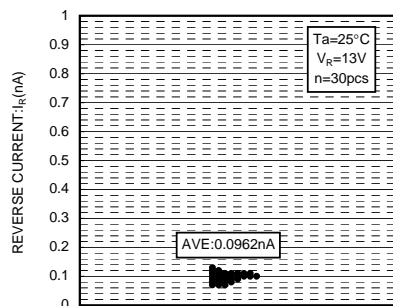
● **Electical characteristic (Ta=25°C)**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V <sub>Z</sub>	17.56	-	18.35	V	I <sub>Z</sub> =5mA
Reverse current	I <sub>R</sub>	-	-	0.10	μA	V <sub>R</sub> =13V

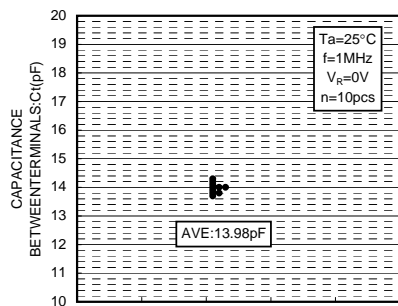
●Electrical characteristic curves



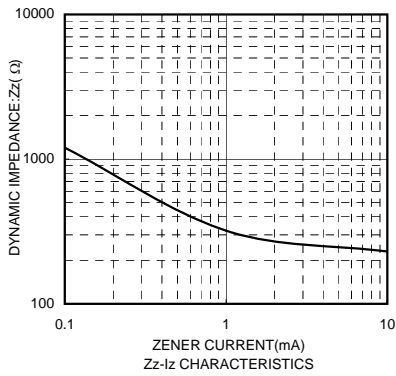
$V_Z$  DISPERSION MAP



$I_R$  DISPERSION MAP



$C_t$  DISPERSION MAP



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