

# Zener Diode

## UMZ18N

### ●Applications

Voltage regulation  
(Common anode dual chips)

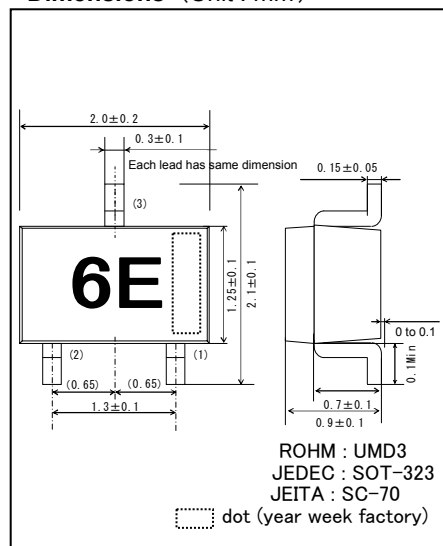
### ●Features

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

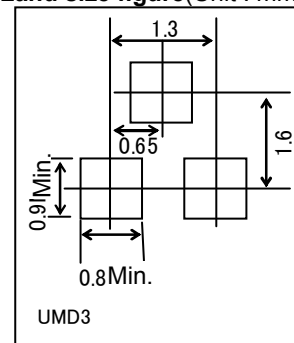
### ●Construction

Silicon epitaxial planer

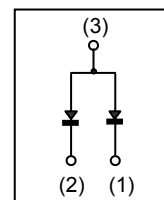
### ●Dimensions (Unit : mm)



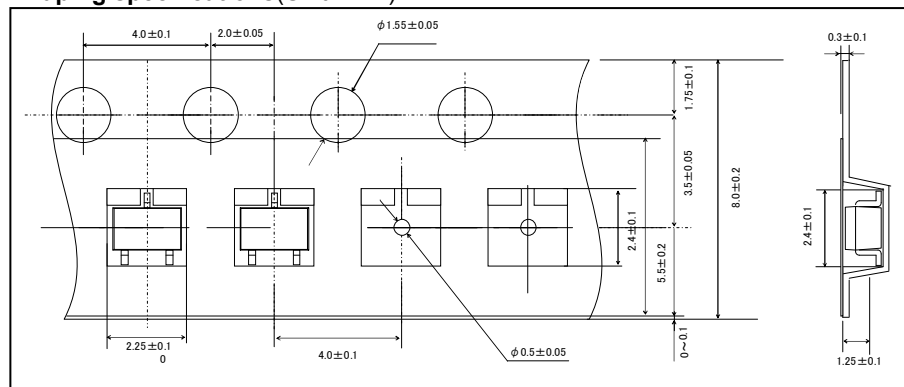
### ●Land size figure(Unit : mm)



### ●Structure



### ●Taping specifications(Unit : mm)



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

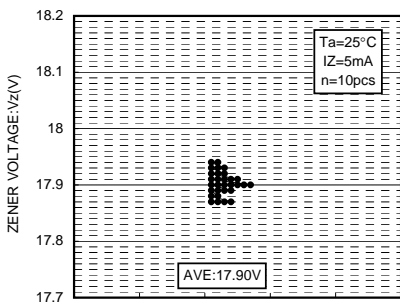
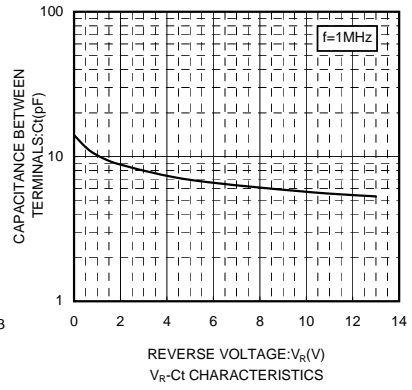
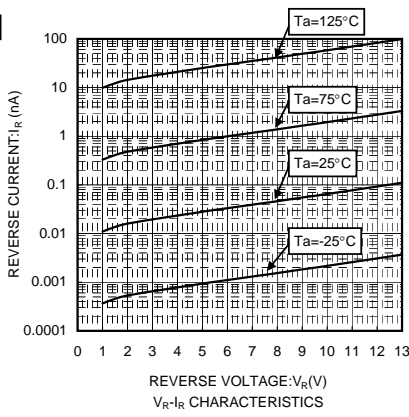
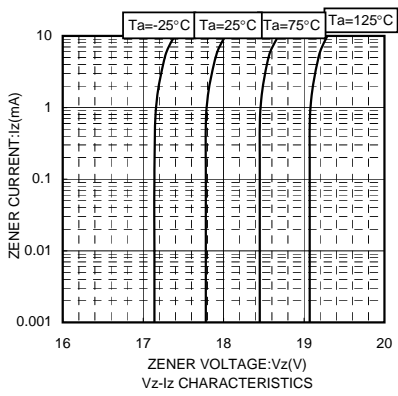
Parameter	Symbol	Limits	Unit
Power dissipation (*1)	P	200	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

(\*1) Total of 2 elements

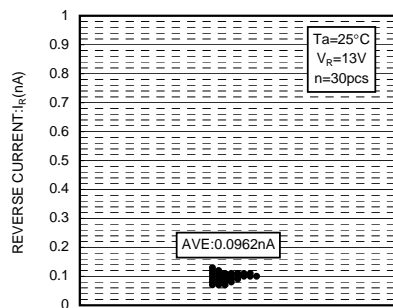
### ●Electical characteristic (Ta=25°C)

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

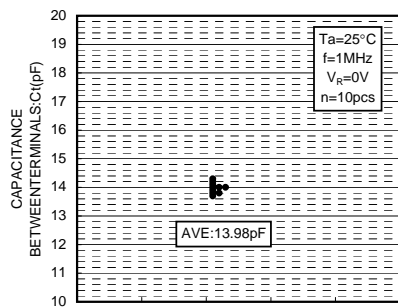
●Electrical characteristic curves



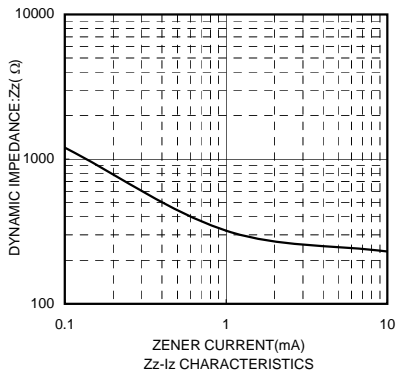
$V_Z$  DISRESION MAP



$I_R$  DISRESION MAP



$C_t$  DISRESION MAP



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