

ESD Protection diode

UMZU6.2N

●Applications

ESD Protection
(common anode configuration)

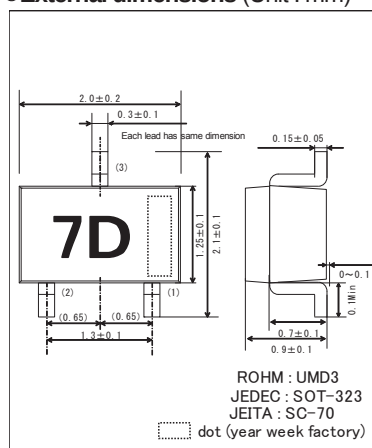
●Features

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

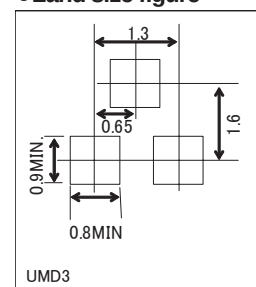
●Construction

Silicon epitaxial planar

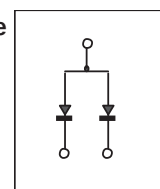
●External dimensions (Unit : mm)



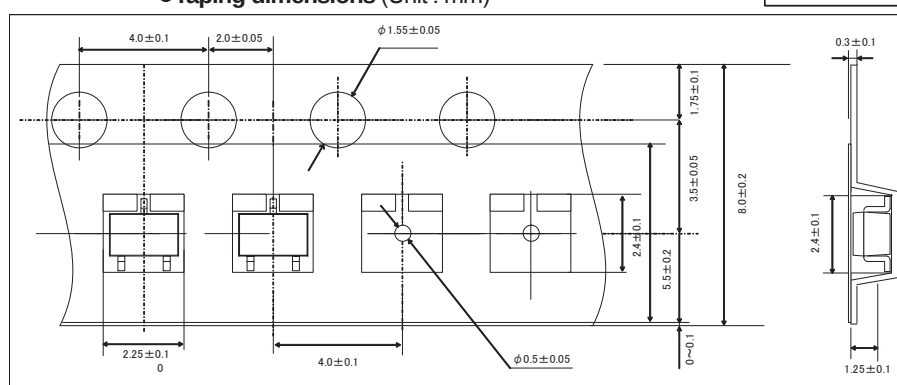
●Land size figure



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

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

(※)Total of 2 elements

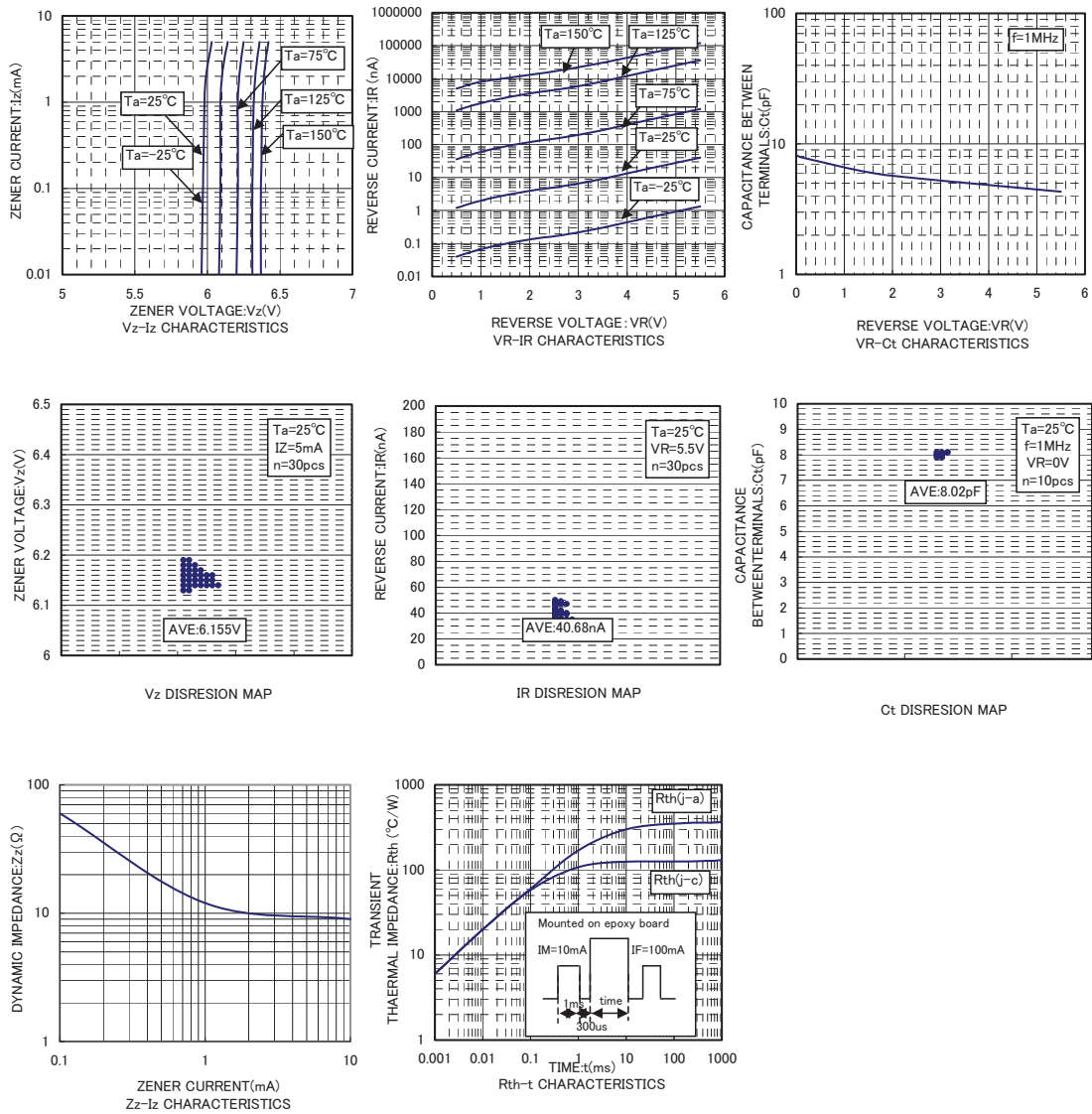
●Electrical characteristic (Ta=25°C) (* Rating of per diode)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V _Z	5.9	-	6.50	V	I _Z =5mA
Reverse current	I _R	-	-	3.00	μA	V _R =5.5V
Operating resistance	Z _Z	-	-	30	Ω	I _Z =5mA
Rising operating resistance	Z _{zk}	-	-	100	Ω	I _Z =0.5mA
Capacitance between terminals	C _t	-	8	-	pF	f=1MHz VR=0V

*Zener voltage(V_Z) shall be measured at 40ms after loading current.

Diodes

●Electrical characteristic curves



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