

ESD Protection Diode

UMZC6.8N

● **Applications**

ESD Protection
(common anode configuration)

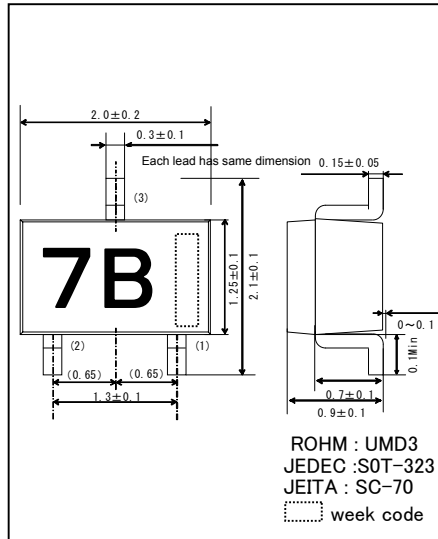
● **Features**

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

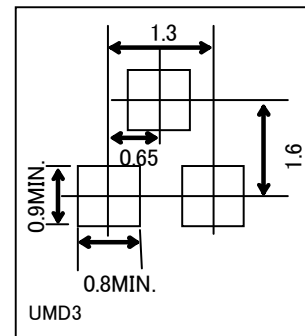
● **Construction**

Silicon epitaxial planar

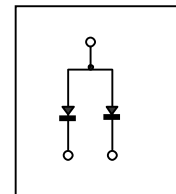
● **Dimensions (Unit : mm)**



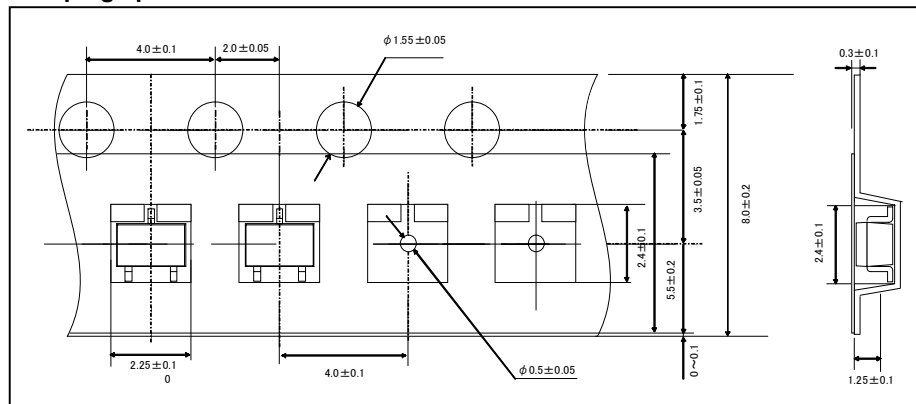
● **Land size figure (Unit : mm)**



● **Structure**



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



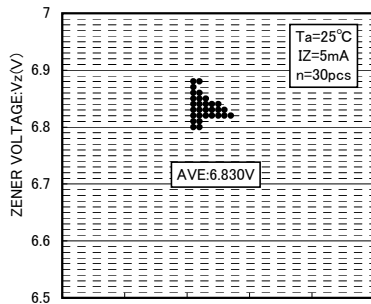
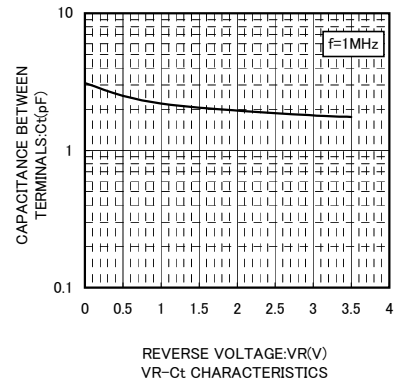
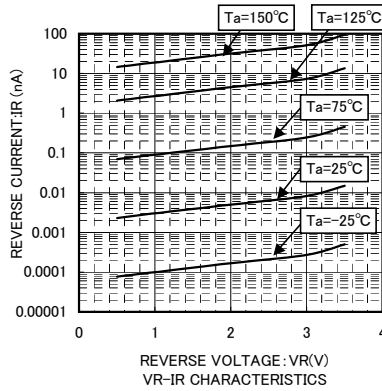
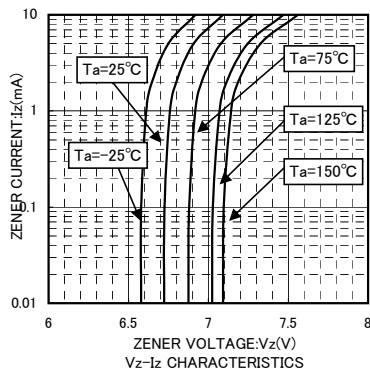
● **Absolute maximum ratings (Ta=25°C)**

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

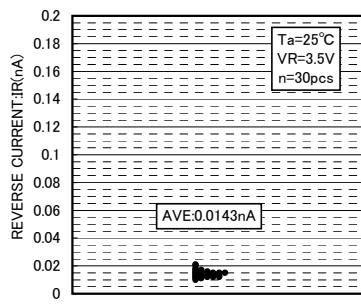
● **Electrical characteristic (Ta=25°C) (* Rating of per diode)**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V _Z	6.47	-	7.14	V	I _Z =5mA
Reverse current	I _R	-	-	0.50	μA	V _R =3.5V
Capacitance between terminals	C _t	-	3	-	pF	V _R =0V, f=1MHz

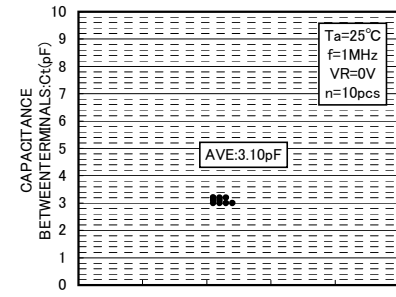
●Electrical characteristic curves



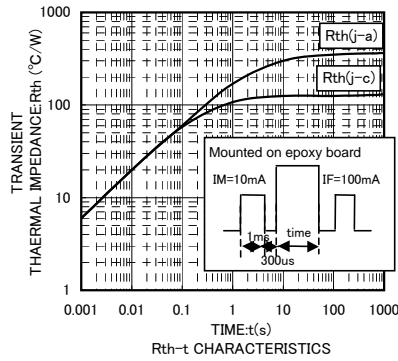
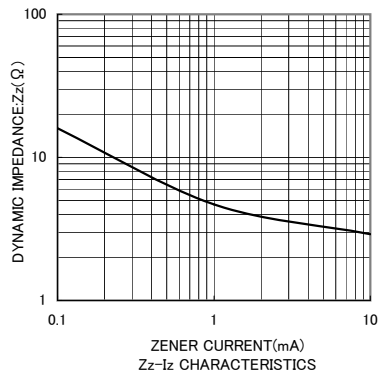
V_z DISRESION MAP



I_R DISRESION MAP



C_t DISRESION MAP



R_{th}-t CHARACTERISTICS

Notes

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