

# ESD Protection Diode

**UMZC6.8N**

## ●Applications

ESD Protection  
(common anode configuration)

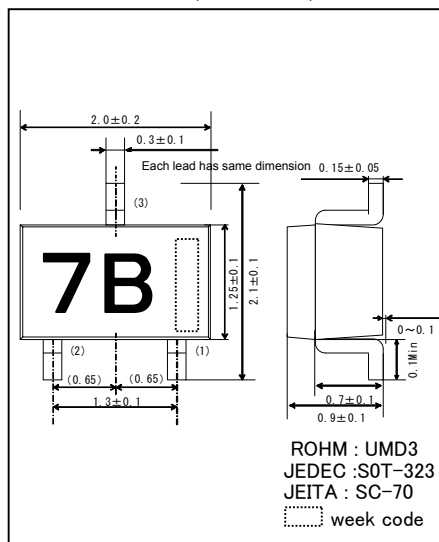
## ●Features

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

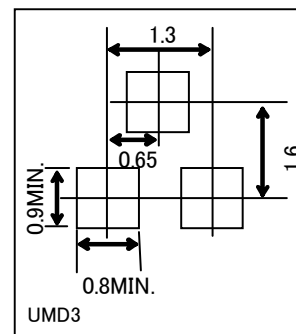
## ●Construction

Silicon epitaxial planar

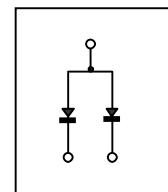
●Dimensions (Unit : mm)



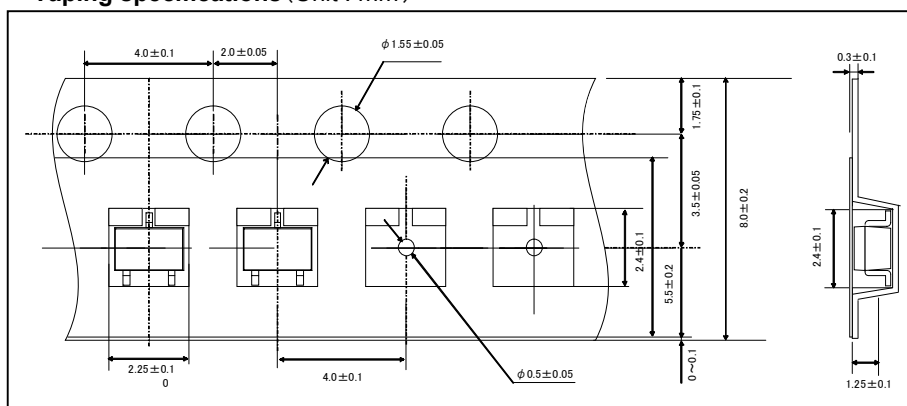
●Land size figure(Unit : mm)



## ● Structure



●Taping specifications (Unit : mm)



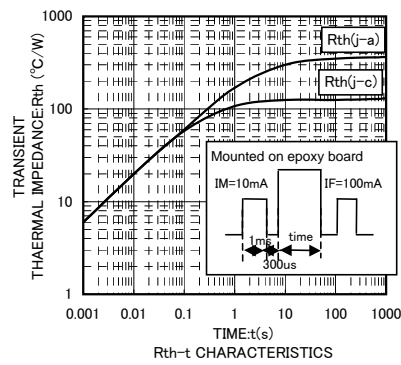
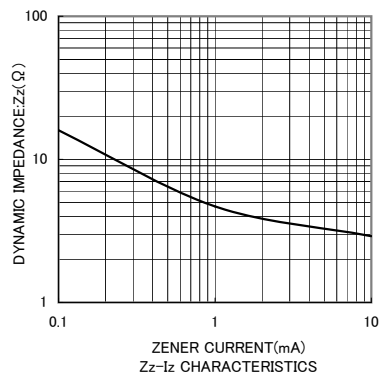
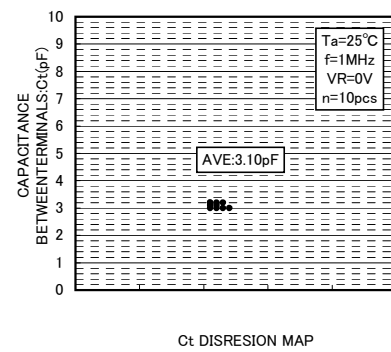
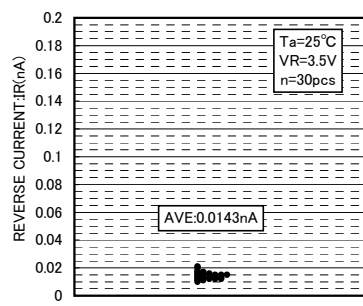
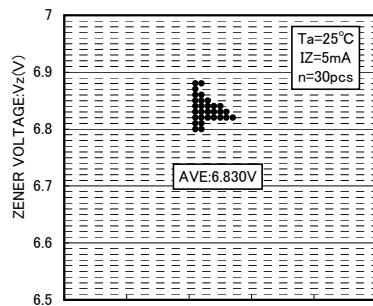
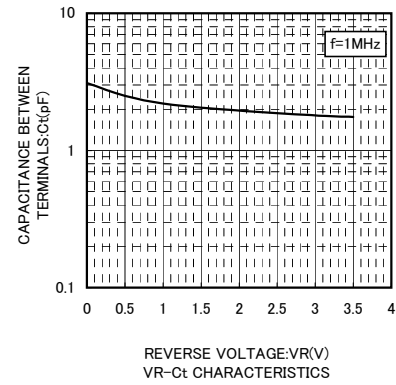
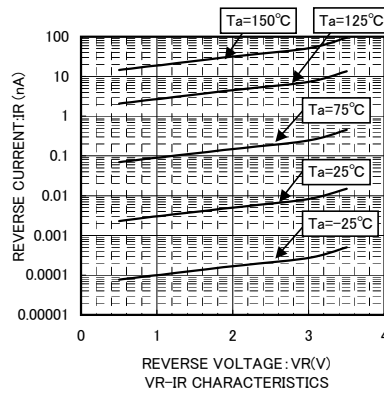
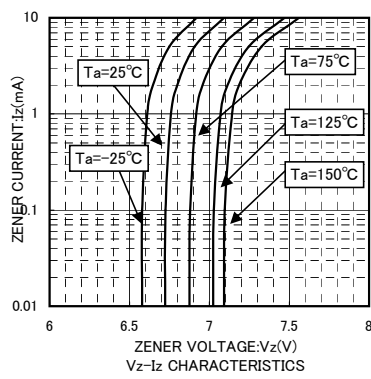
●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Power dissipation	P (※)	200	mW
Junction temperature	T <sub>j</sub>	150	°C
Storage temperature	T <sub>stg</sub>	-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	$\mu A$	$V_R=3.5V$
Capacitance between terminals	$C_t$	-	3	-	pF	$V_R=0V$ , $f=1MHz$

# ●Electrical characteristic curves



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