

ESD Protection diode

STZC6.8N

●Applications

ESD Protection, bi direction

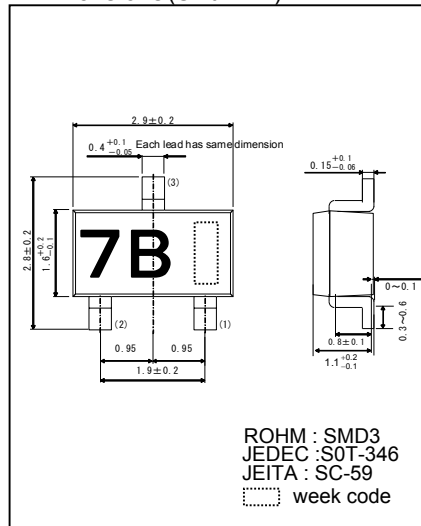
●Features

- 1) Ultra small mold type. (SMD3)
- 2) High reliability.
- 3) Ultra low capacitance

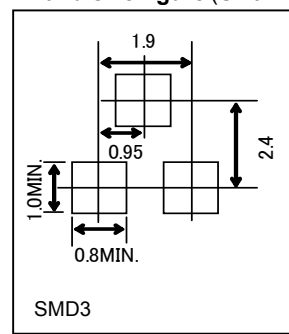
●Construction

Silicon epitaxial planar

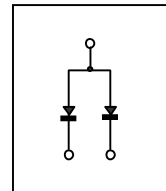
●Dimensions (Unit : mm)



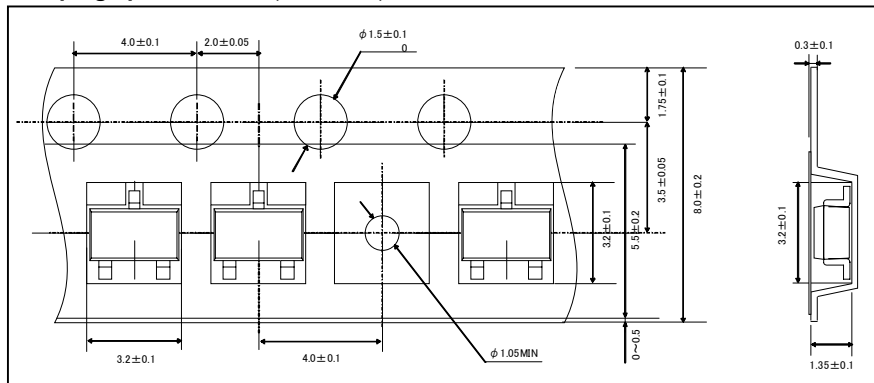
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)

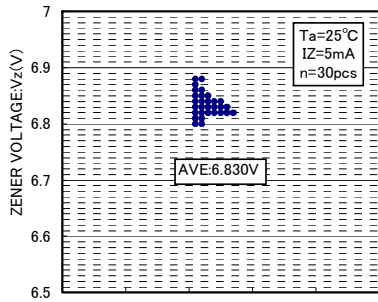
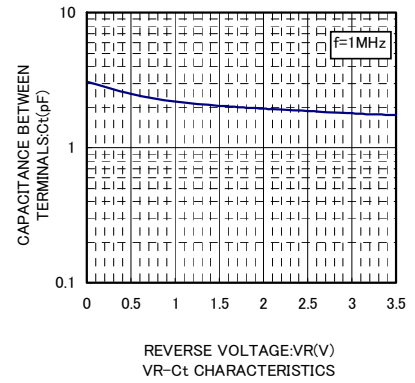
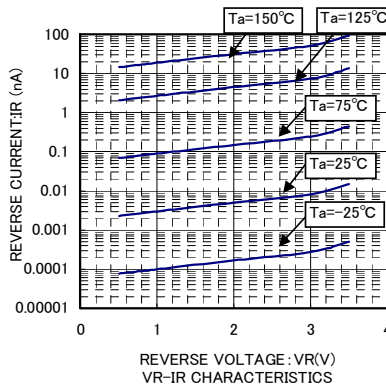
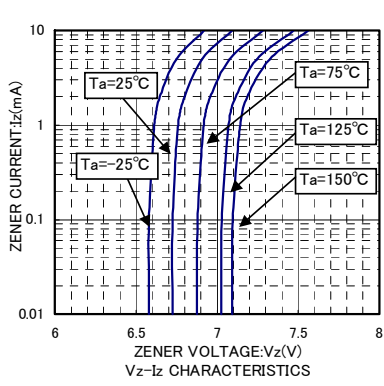


●Absolute maximum ratings (Ta=25°C)

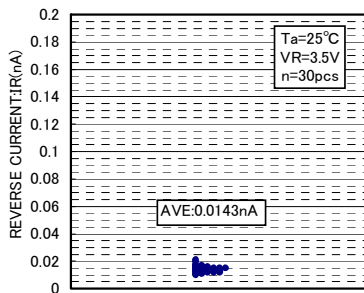
Parameter	Symbol	Limits	Unit
Power dissipation (*1)	P	200	mW
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

●Electrical characteristics (Ta=25°C)

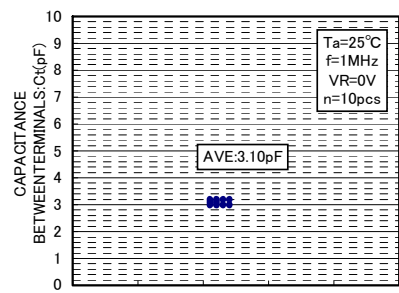
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V _Z	6.47	-	7.14	V	I _Z =5mA
Reverse current	I _R	-	-	0.50	μA	V _R =3.5V
Capacitance between terminals	C _t	-	3		pF	V _R =0V, f=1MHz



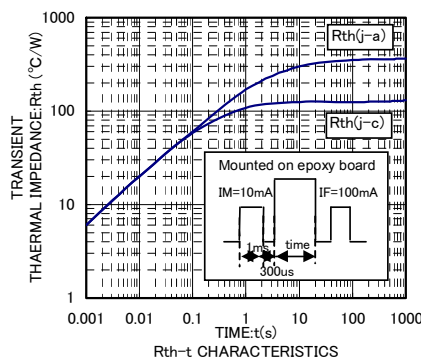
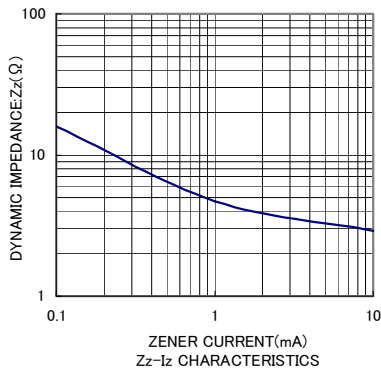
V_z DISRESION MAP



I_R DISRESION MAP



C_t DISRESION MAP



Notes

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