

Zener diode

STZ6.8T

●Applications

Voltage regulation
(Cathode common twin type)

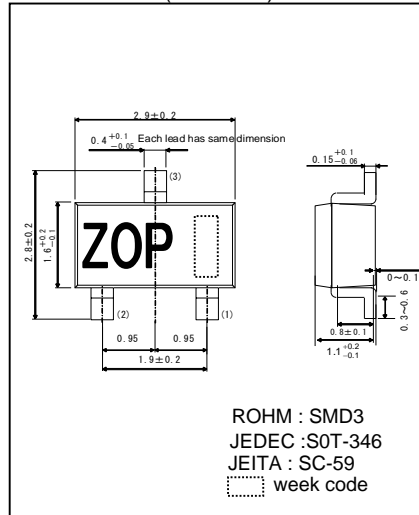
●Features

- 1) Small mold type. (SMD3)
- 2) High reliability.

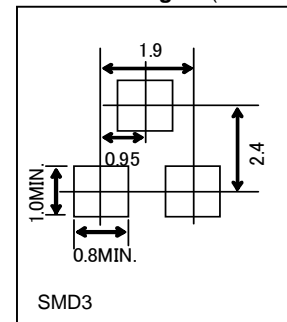
●Construction

Silicon epitaxial planar

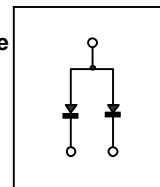
●Dimensions (Unit : mm)



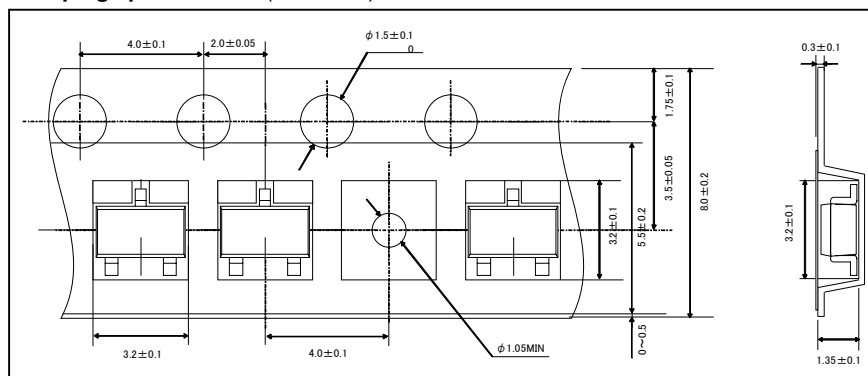
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



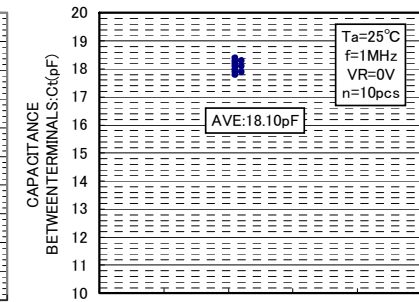
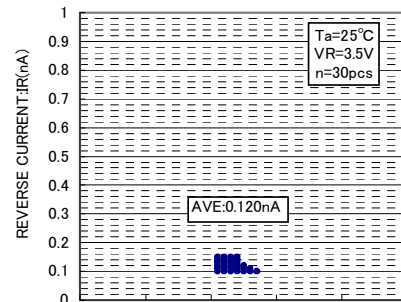
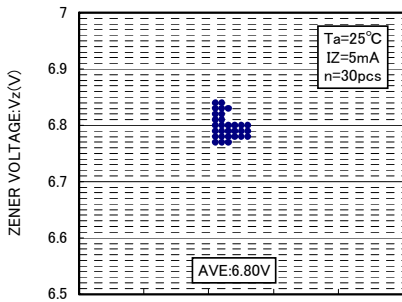
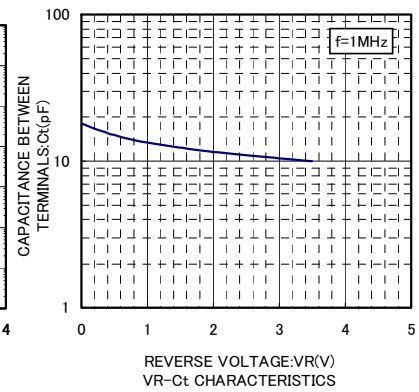
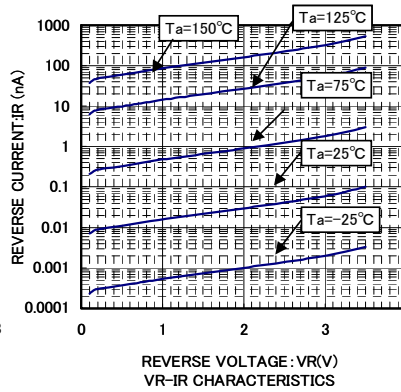
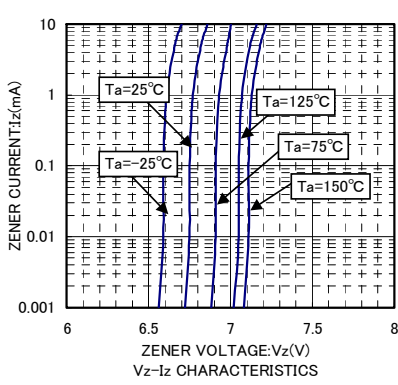
●Absolute maximum ratings (Ta=25°C)

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

(*1) Total of 2 elements

●Electrical characteristics (Ta=25°C)

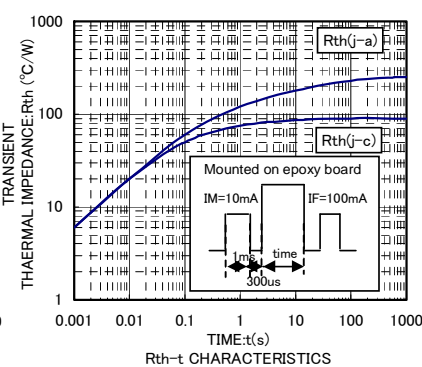
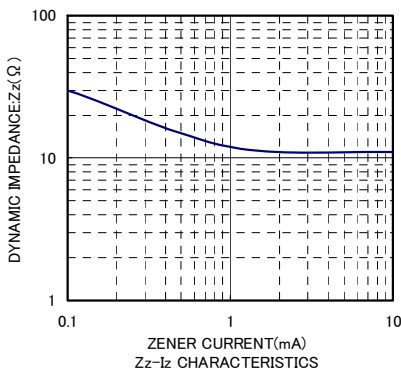
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V _Z	6.47	-	7.14	V	I _Z =5mA
Reverse current	I _R	-	-	0.50	μA	V _R =3.5V
Dynamic impedance	Z _Z	-	-	40	Ω	I _Z =5mA
Zener impedance	Z _{Zk}	-	-	60	Ω	I _Z =0.5mA



Vz DISPERSION MAP

IR DISPERSION MAP

Ct DISPERSION MAP



Zz-Iz CHARACTERISTICS

Rth-t CHARACTERISTICS

Notes

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