

Zener diode

STZ6.8T

●Applications

Voltage regulation
(Cathode common twin type)

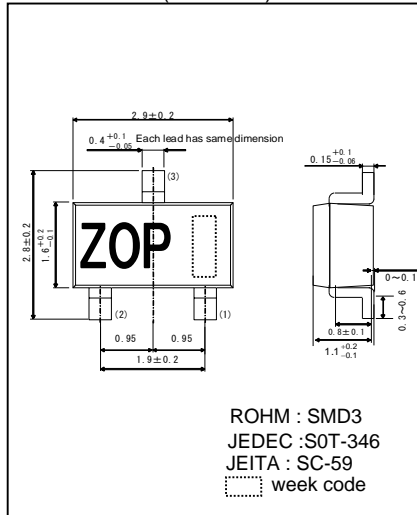
●Features

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

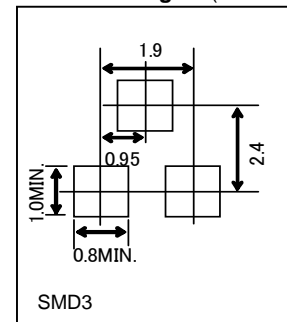
●Construction

Silicon epitaxial planar

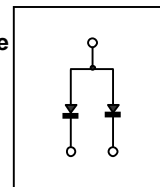
●Dimensions (Unit : mm)



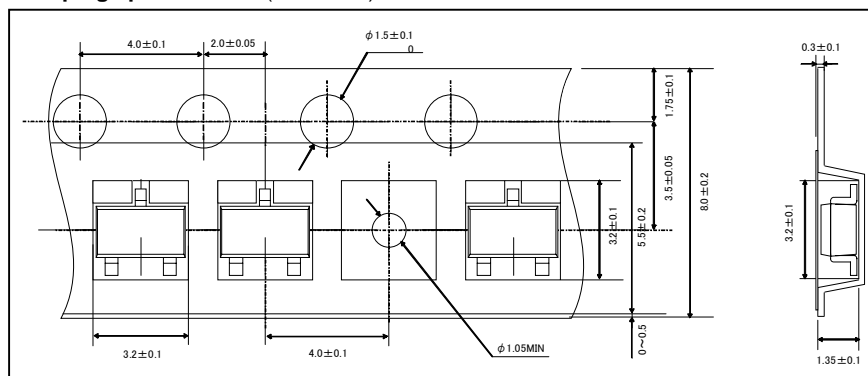
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



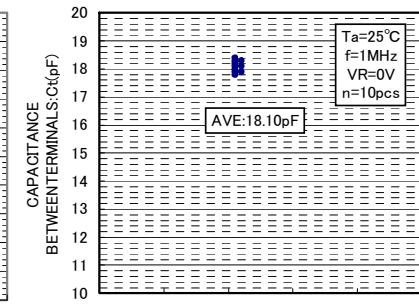
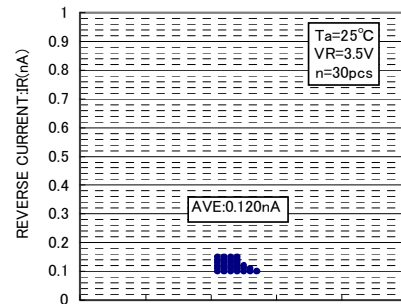
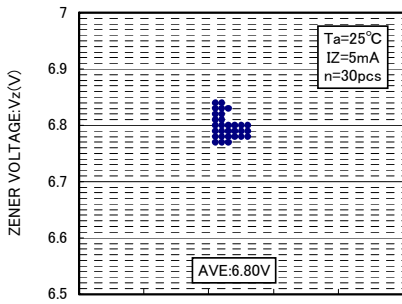
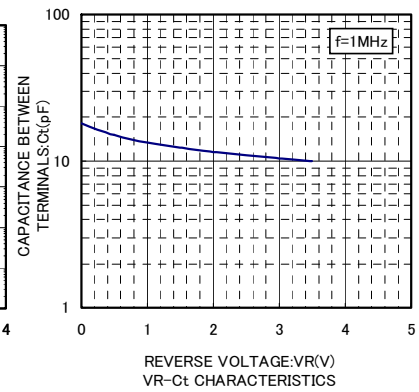
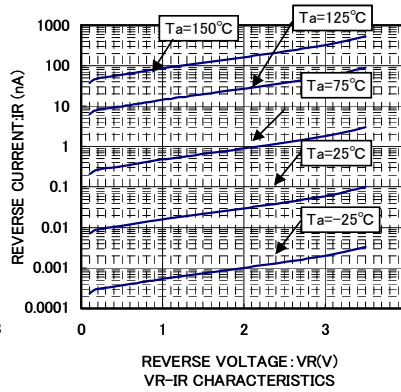
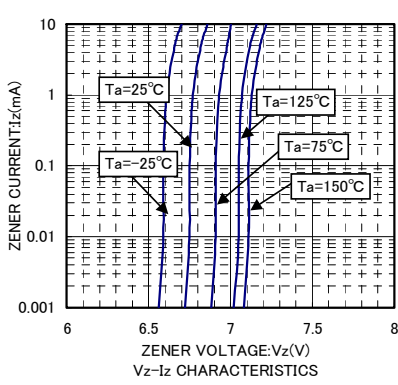
●Absolute maximum ratings (Ta=25°C)

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)

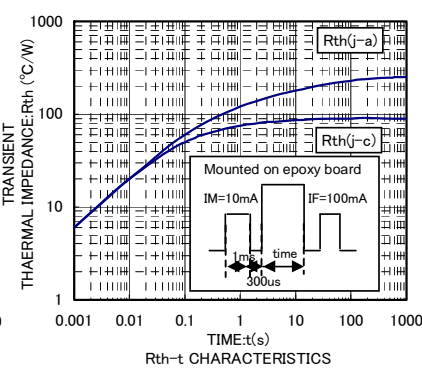
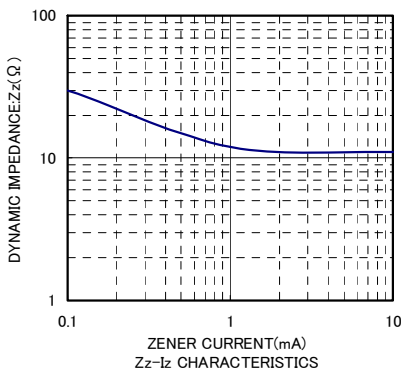
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	Vz	6.47	-	7.14	V	Iz=5mA
Reverse current	IR	-	-	0.50	μA	VR=3.5V
Dynamic impedance	Zz	-	-	40	Ω	Iz=5mA
Zener impedance	Zzk	-	-	60	Ω	Iz=0.5mA



Vz DISRESION MAP

IR DISRESION MAP

Ct DISRESION MAP



Zz-Iz CHARACTERISTICS

Rth-t CHARACTERISTICS

Notes

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