

Diodes

# Zener diode

## STZ5.6N

●Applications

Voltage regulation  
 (Anode common twin type)

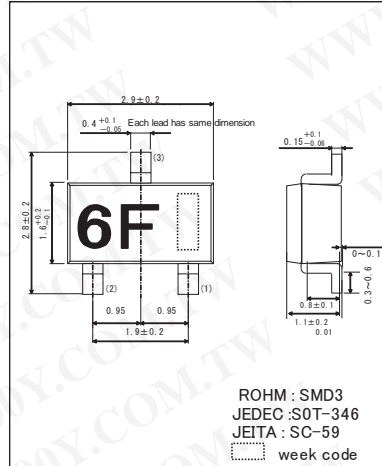
●Features

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

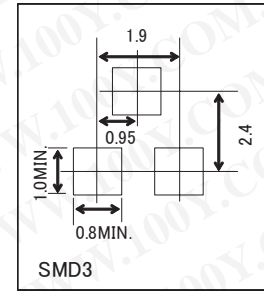
●Construction

Silicon epitaxial planar

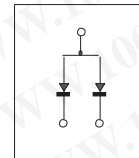
●External dimensions (Unit : mm)



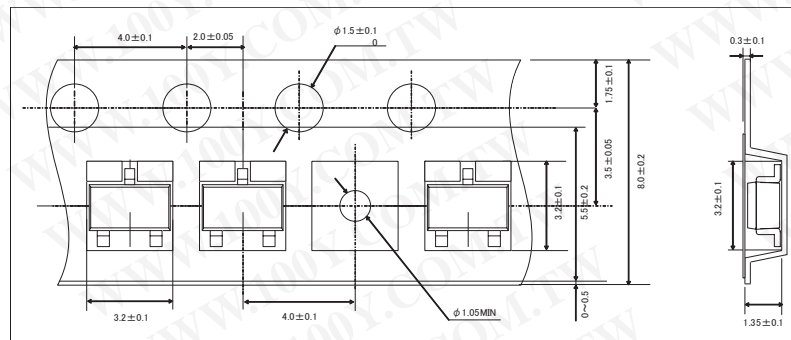
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Power dissipation (*1)	P	200	mW
Junction temperature	T <sub>j</sub>	150	°C
Storage temperature	T <sub>stg</sub>	-55 to +150	°C

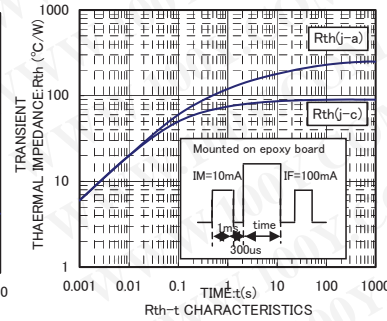
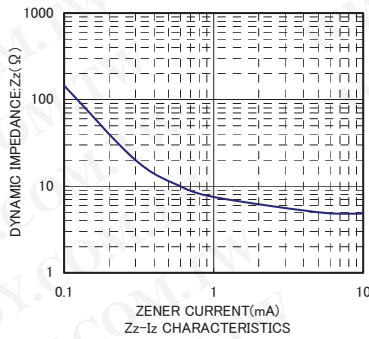
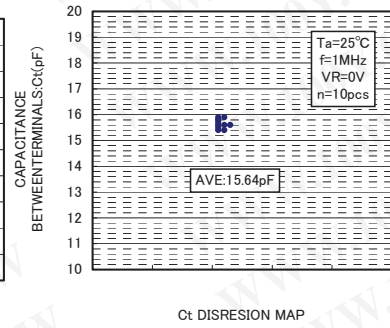
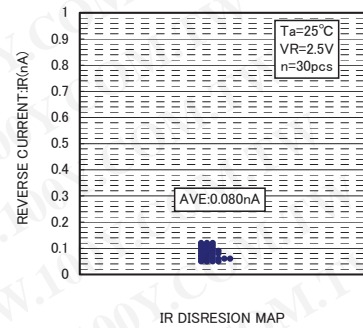
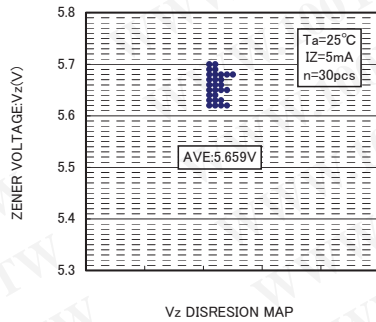
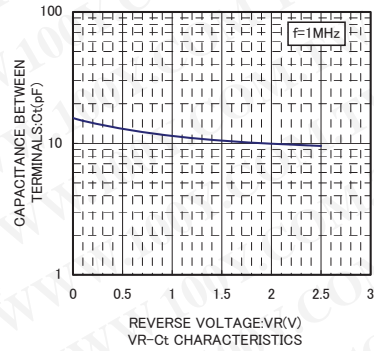
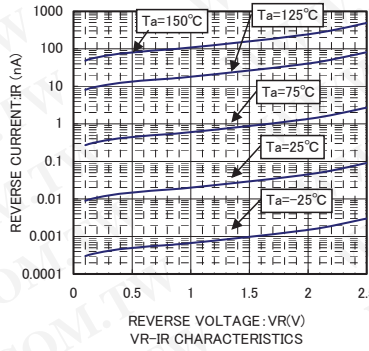
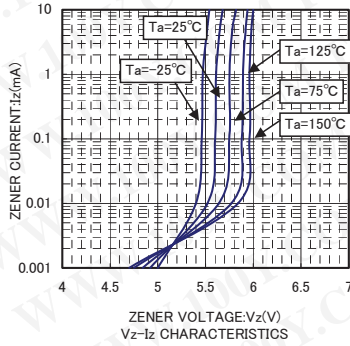
(\*1) Total of 2 elements

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V <sub>Z</sub>	5.31	-	5.92	V	I <sub>Z</sub> =5mA
Reverse current	I <sub>R</sub>	-	-	1.00	μA	V <sub>R</sub> =2.5V
Dynamic impedance	Z <sub>Z</sub>	-	-	60	Ω	I <sub>Z</sub> =5mA
Rising operation resistance	Z <sub>Zk</sub>	-	-	200	Ω	I <sub>Z</sub> =0.5mA

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●Electrical characteristic curves (Ta=25°C)



## Appendix

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