

## Zener diode

## STZ5.6N

## ●Applications

Voltage regulation  
(Anode common twin type)

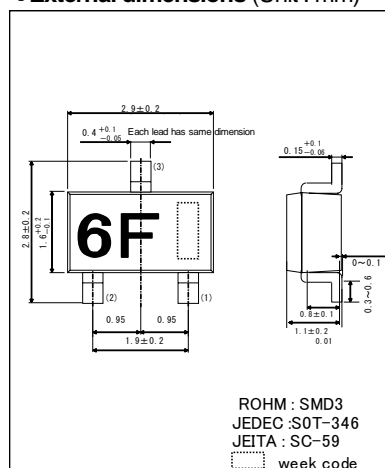
## ●Features

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

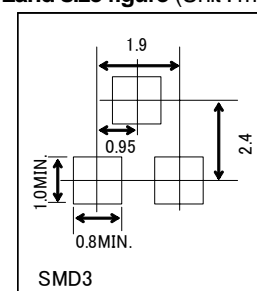
## ●Construction

Silicon epitaxial planar

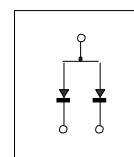
## ●External dimensions (Unit : mm)



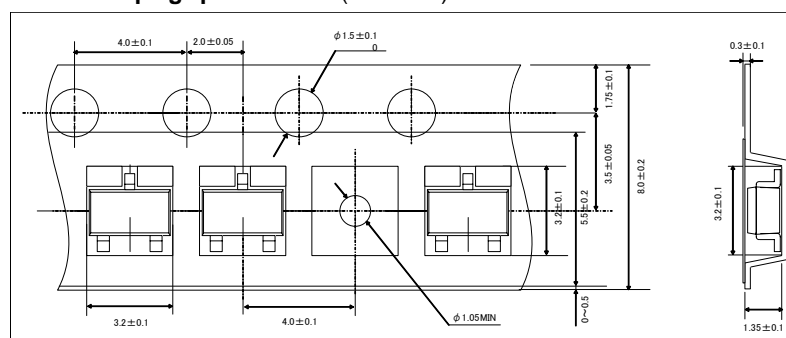
## ●Land size figure (Unit : mm)



## ●Structure



## ●Taping specifications (Unit : mm)



## ●Absolute maximum ratings (Ta=25°C)

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

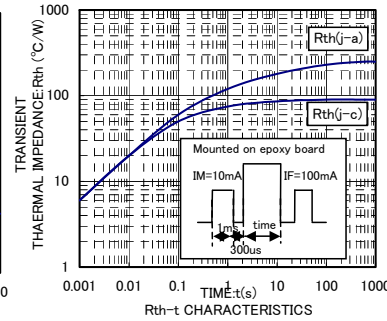
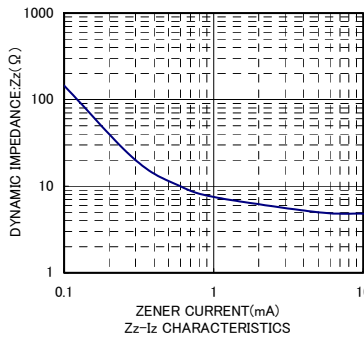
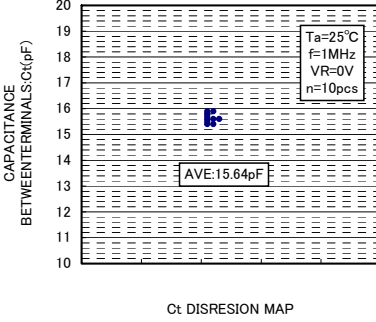
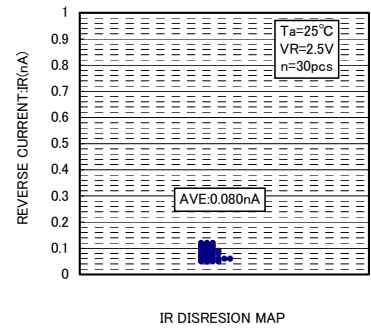
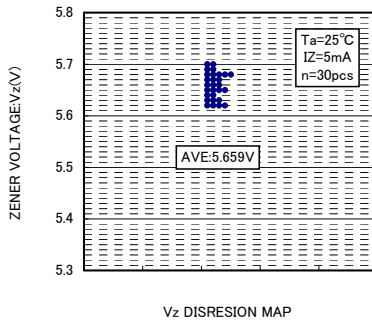
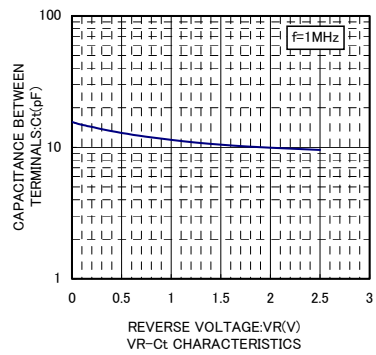
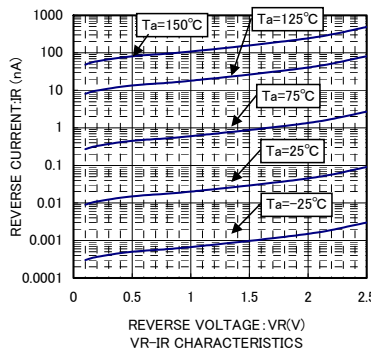
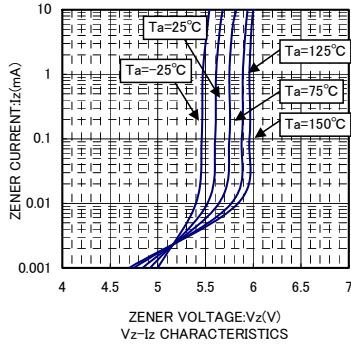
(\*1) Total of 2 elements

## ●Electrical characteristics (Ta=25°C)

| Parameter                   | Symbol          | Min. | Typ. | Max. | Unit | Conditions            |
|-----------------------------|-----------------|------|------|------|------|-----------------------|
| Zener voltage               | V <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 |

Diodes

●Electrical characteristic curves (Ta=25°C)



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