

# Zener diode

## STZ6.2N

**●Applications**

Voltage regulation  
(Anode common twin type)

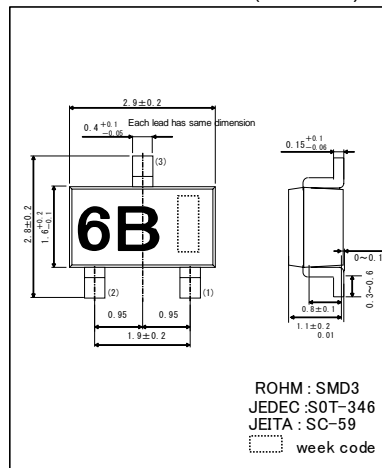
**●Features**

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

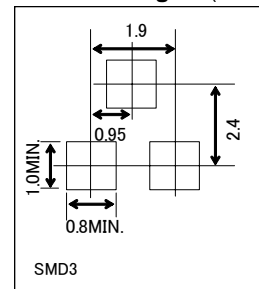
**●Construction**

Silicon epitaxial planar

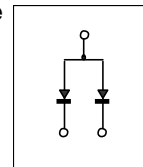
**●External dimensions (Unit : mm)**



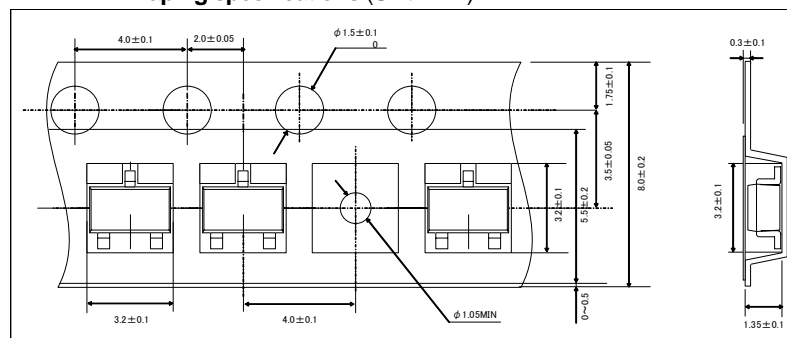
**●Land size figure (Unit : mm)**



**●Structure**



**●Taping specifications (Unit : mm)**



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

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

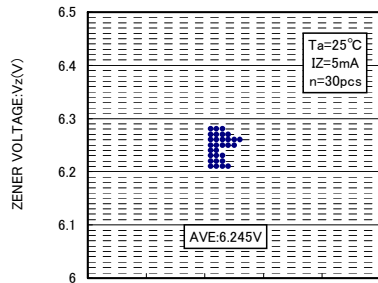
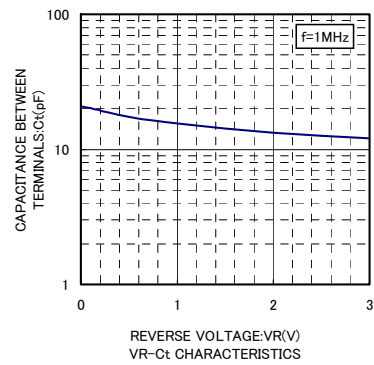
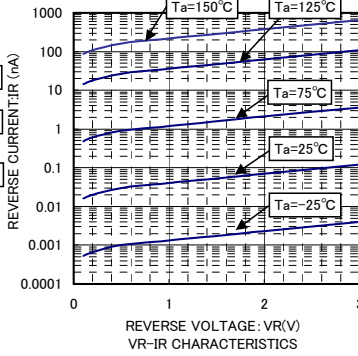
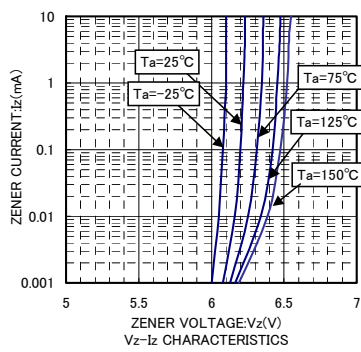
(\*1) Total of 2 elements

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

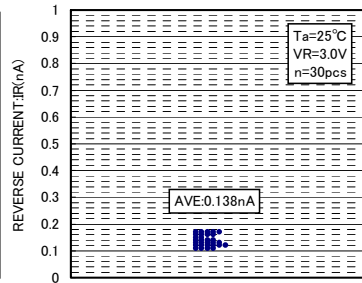
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V <sub>Z</sub>	5.81	-	6.40	V	I <sub>Z</sub> =5mA
Reverse current	I <sub>R</sub>	-	-	1.00	μA	V <sub>R</sub> =3.0V
Operating resistance	Z <sub>Z</sub>	-	-	60	Ω	I <sub>Z</sub> =5mA
Rising operating resistance	Z <sub>Zk</sub>	-	-	100	Ω	I <sub>Z</sub> =0.5mA

Diodes

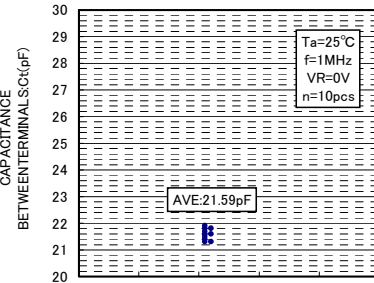
●Electrical characteristic curves (Ta=25°C)



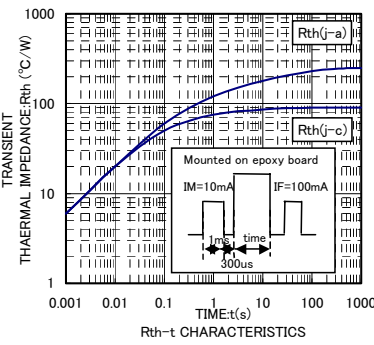
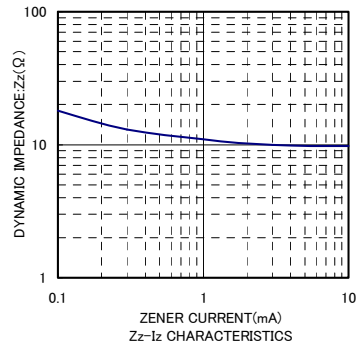
V<sub>z</sub> DISPERSION MAP



I<sub>R</sub> DISPERSION MAP



C<sub>ct</sub> DISPERSION MAP



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