

Zener Diode

STZ6.8T

● Applications

Constant voltage control

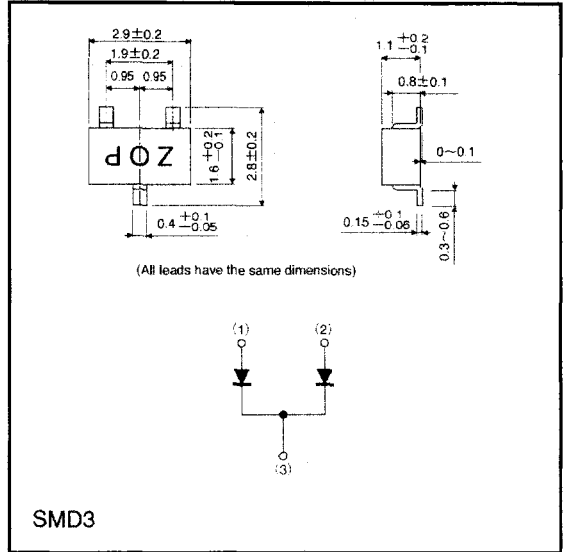
● Features

- 1) Designed for mounting on small surface areas (SMD3)
- 2) High reliability
- 3) Composite type with two cathode common elements

● Construction

Silicon epitaxial planar

● External dimensions (Units: mm)



● Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Power dissipation	P	200	mW
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55~150	°C

● Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Zener voltage	V _Z	6.47	6.80	7.14	V	I _Z =5mA
Reverse current	I _R	—	—	0.5	μA	V _R =3.5V
Operating resistance	Z _Z	—	—	40	Ω	I _Z =5mA
Rising operating resistance	Z _{ZK}	—	—	60	Ω	I _Z =0.5mA

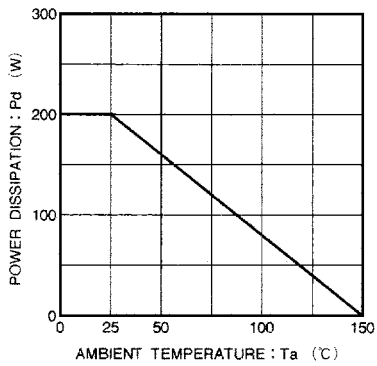
● Electrical characteristic curves ($T_a=25^\circ\text{C}$)

Fig. 1 Derating curve