

Zener diode

STZ6.8T

●Applications

Constant voltage control

Noise suppression on signal line

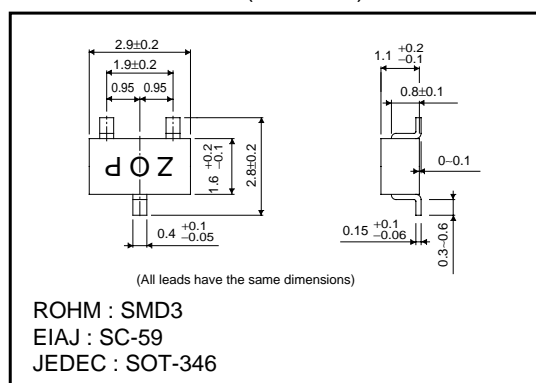
●Features

- 1) Small surface mounting type. (SMD3)
- 2) Multiple diodes with common anode configuration.
- 3) High reliability.

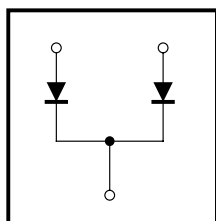
●Construction

Silicon epitaxial planar

●External dimensions (Units : mm)



●Circuit



●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Power dissipation*	P	200	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55~+150	°C

* 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	—	—	0.5	μA	VR=3.5V
Operating resistance	Zz	—	—	40	Ω	Iz=5mA
Rising operating resistance	Zzk	—	—	60	Ω	Iz=0.5mA

Diodes

●Electrical characteristic curves (Ta=25°C)

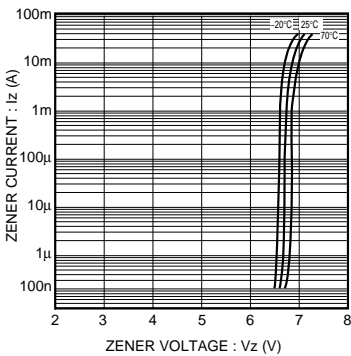


Fig.1 Zener voltage characteristics

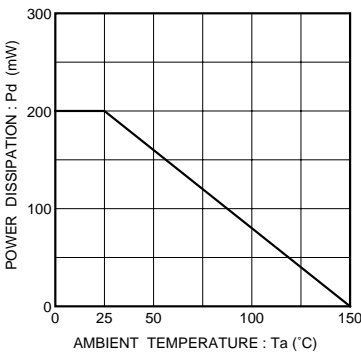


Fig.2 Derating curve

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