

Zener diode

UMZ8.2N

●Applications

Constant voltage control

Noise suppression on signal line

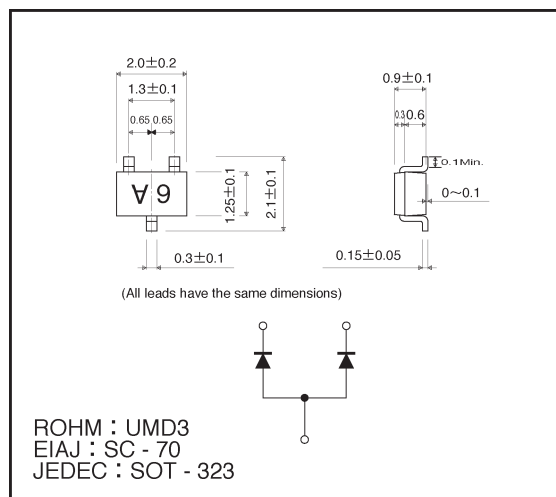
●Features

- 1) Compact mold type. (UMD3)
- 2) High reliability.
- 3) Multiple diodes with common anode configuration.

●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	Tj	150	°C
Storage temperature	Tstg	-55~+150	°C

* Total of 2 elements

●Electrical characteristics (Ta = 25°C)

Parameter	Symbol	Min.	Max.	Unit	Conditions
Zener voltage	Vz	7.76	8.64	V	Iz=5mA
Reverse current	IR	—	0.50	μA	VR=5V
Operating resistance	Zz	—	30	Ω	Iz=5mA
Rising operating resistance	Zzk	—	60	Ω	Iz=0.5mA

●Electrical characteristic curves (Ta = 25°C unless specified otherwise)

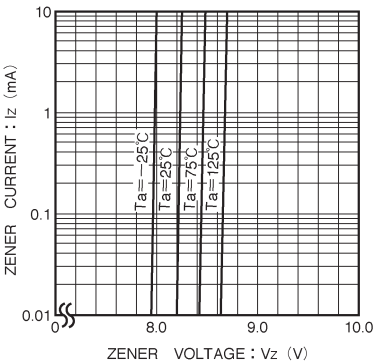


Fig. 1 Zener voltage characteristics

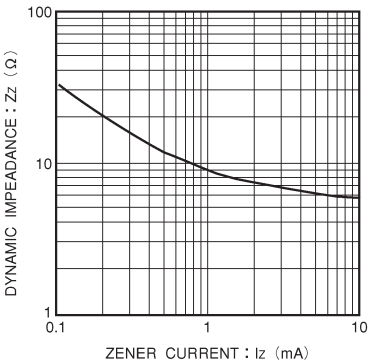


Fig. 2 Operating resistance
Zener current characteristics

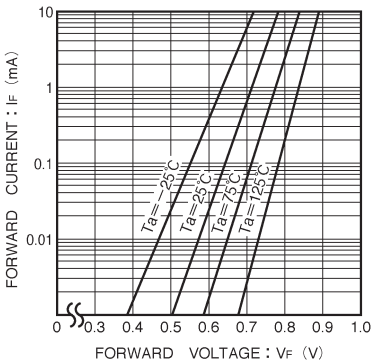


Fig. 3 Forward characteristics

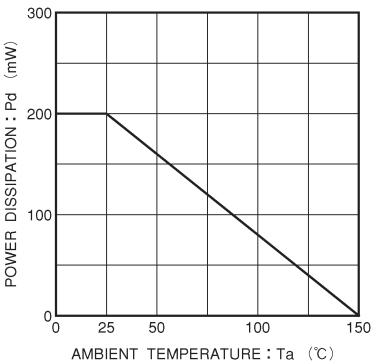


Fig. 4 Derating curve