

UMZ8.2N

Diodes

Zener diode

UMZ8.2N

●Applications

Constant voltage control
Noise suppression on signal line

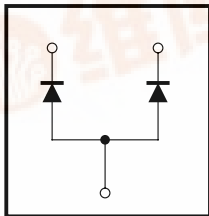
●Features

- 1) Small surface mounting type. (UMD3)
- 2) Multiple diodes with common anode configuration.
- 3) High reliability.

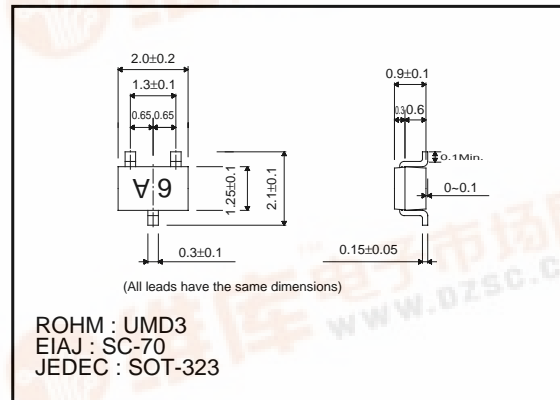
●Construction

Silicon epitaxial planar

●Circuit



●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

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●Electrical characteristic curves (Ta = 25°C)

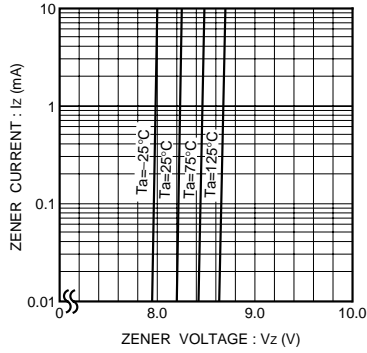


Fig.1 Zener voltage characteristics

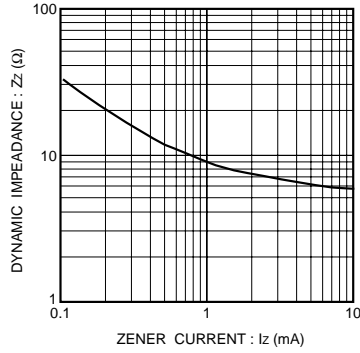


Fig.2 Operating resistance Zener current characteristics

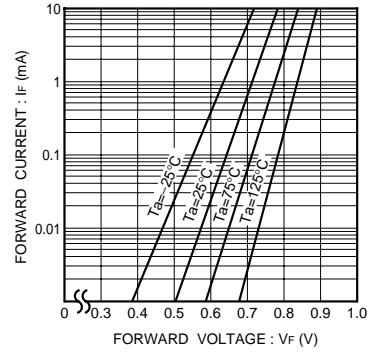


Fig.3 Forward characteristics

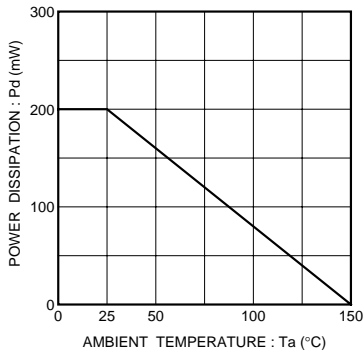


Fig.4 Derating curve