Zener diode

UMZ8.2N

Application

Voltage regulation (Anode common twin type)

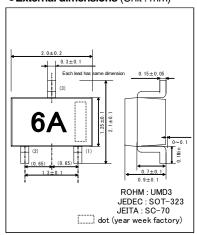
● Features

- 1) Small mold type. (UMD3)
- 2) High reliability.

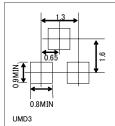
●Structure

Silicon epitaxial planer

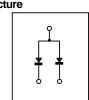
●External dimensions (Unit : mm)



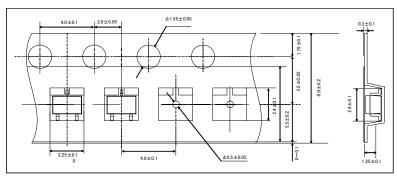
●Lead size figure (Unit : mm)



●Structure







●Absolute maximum ratings (Ta=25°C)

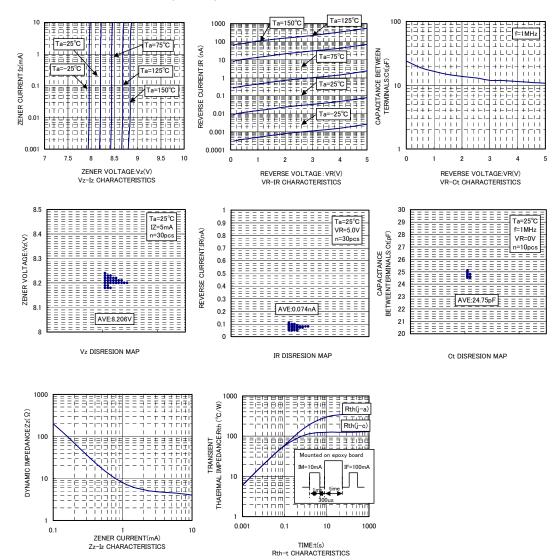
Parameter	Symbol	Limits	Unit			
Power dissipation (*1)	Р	200	mW			
Junction temperature	Tj	150	°C			
Storage temperature	Tstg	-55 to +150	°C			

^(*1)Total of 2 elements

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Zener voltage	V_{Z}	7.76	-	8.64	V	I _Z =5mA
Reverse current	I _R	-	-	0.50	μΑ	$V_R=5V$
Dynamic impedance	Z_Z	-	-	30	Ω	I _Z =5mA
Rising operating resistance	Z_{Zk}	-	-	60	Ω	I _Z =0.5mA

●Electrical characteristic curves (Ta=25°C)



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Appendix1-Rev1.1