

Zener diode

UMZ27N

●Applications

Voltage regulation
(common anode configuration)

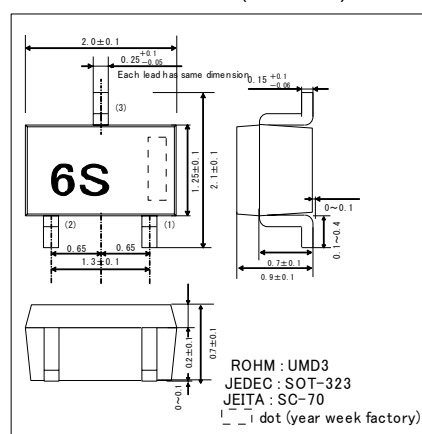
●Features

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

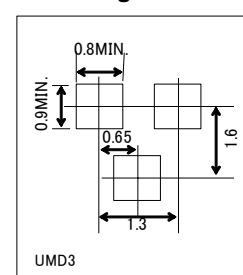
●Construction

Silicon epitaxial planer

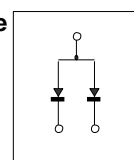
●External dimensions (Unit : mm)



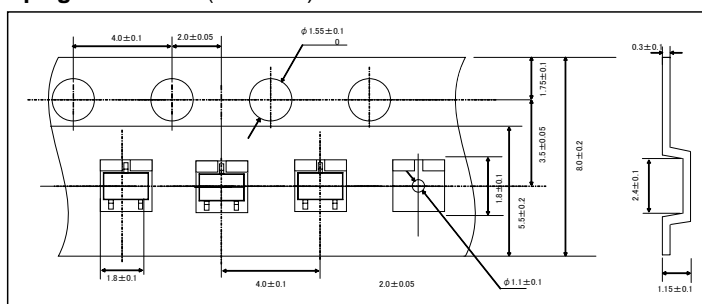
●Land size figure



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

| Parameter | Symbol | Limits | Unit |
|------------------------|------------------|-------------|------|
| Power dissipation (*1) | P | 200 | mW |
| Junction temperature | T _j | 150 | °C |
| Storage temperature | T _{stg} | -55 to +150 | °C |

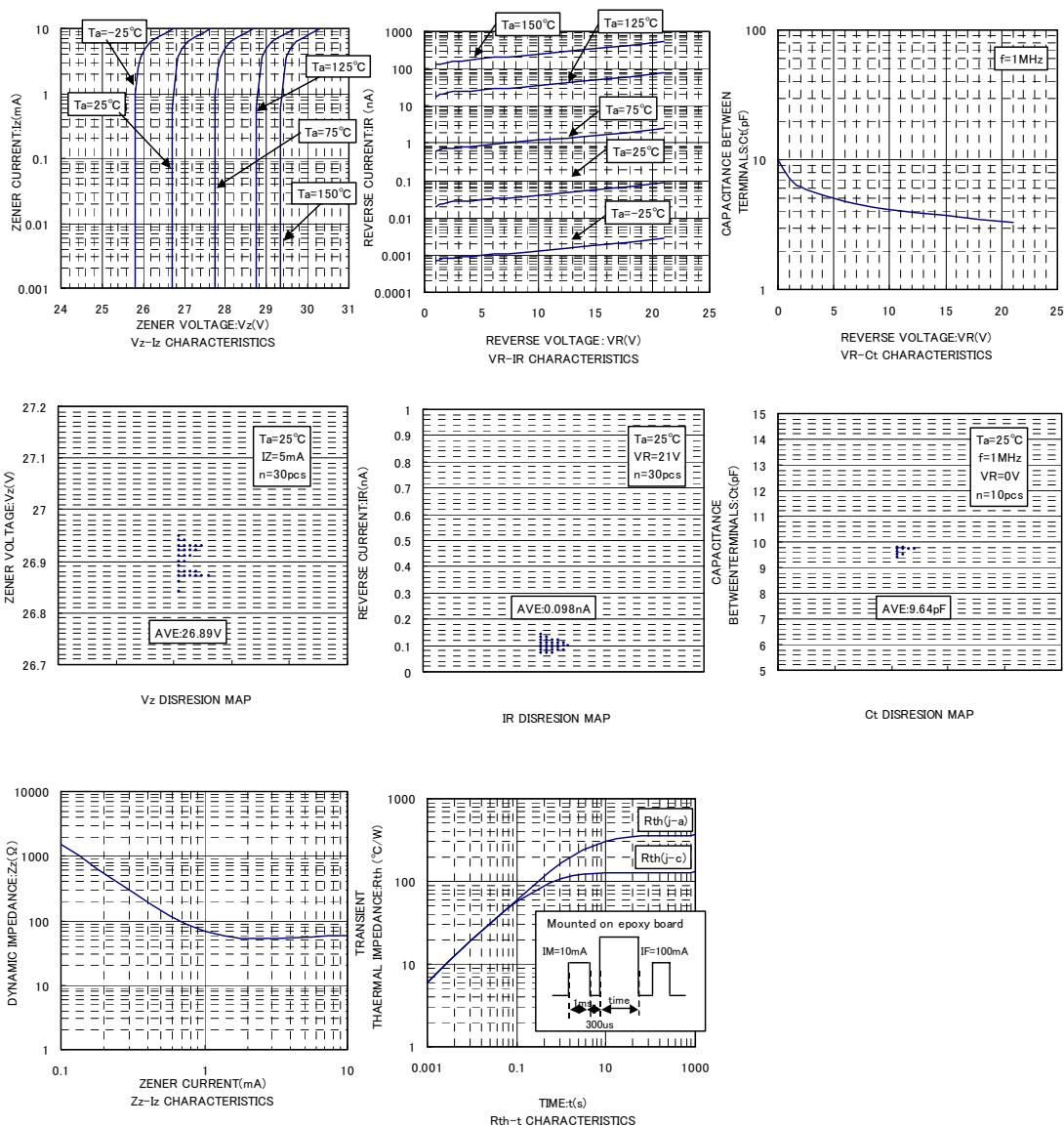
(*1) Rating per diode

●Electrical characteristic (Ta=25°C)

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Conditions |
|-----------------|----------------|-------|------|-------|------|---------------------|
| Zener voltage | V _Z | 26.19 | - | 27.53 | V | I _Z =5mA |
| Reverse current | I _R | - | - | 0.10 | μA | V _R =21V |

Diodes

●Electrical characteristic curves



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