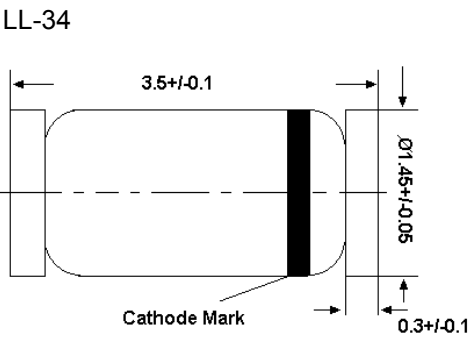


ZGD24

Surface Mount Silicon-Zener Diode



Glass case MiniMELF  
Dimensions in mm

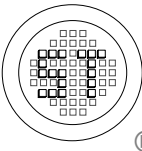
Absolute Maximum Ratings (T<sub>a</sub> = 25°C)

|                                           | Symbol           | Value       | Unit |
|-------------------------------------------|------------------|-------------|------|
| Zener Current see Table “Characteristics” |                  |             |      |
| Power Dissipation                         | P <sub>tot</sub> | 1           | W    |
| Junction Temperature                      | T <sub>j</sub>   | -50 to +175 | °C   |
| Storage Temperature Range                 | T <sub>s</sub>   | -50 to +175 | °C   |

Characteristics at T<sub>amb</sub> = 25°C

|                                               | Symbol           | Min. | Typ. | Max. | Unit |
|-----------------------------------------------|------------------|------|------|------|------|
| Thermal Resistance<br>Junction to Ambient Air | R <sub>thA</sub> | -    | -    | 75   | K/W  |
| Thermal Resistance<br>Junction to Terminal    | R <sub>thT</sub> | -    | -    | 40   | K/W  |

| Type  | Zener Voltage Range |           |                          | Dynamic Resistance    |                          |                       |          | Reverse Current.     |                           | Zener Current            |
|-------|---------------------|-----------|--------------------------|-----------------------|--------------------------|-----------------------|----------|----------------------|---------------------------|--------------------------|
|       | Min.<br>V           | Max.<br>V | at I <sub>ZT</sub><br>mA | r <sub>ZJT</sub><br>Ω | r <sub>ZJK</sub> at<br>Ω | I <sub>ZK</sub><br>mA | f<br>kHz | I <sub>R</sub><br>nA | at V <sub>Rmin</sub><br>V | I <sub>Zmax.</sub><br>mA |
| ZGD24 | 22.8                | 25.6      | 5                        | <80                   | <220                     | 1                     | 1        | 500                  | 16                        | 39                       |



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