

1N4148 SIGNAL DIODE

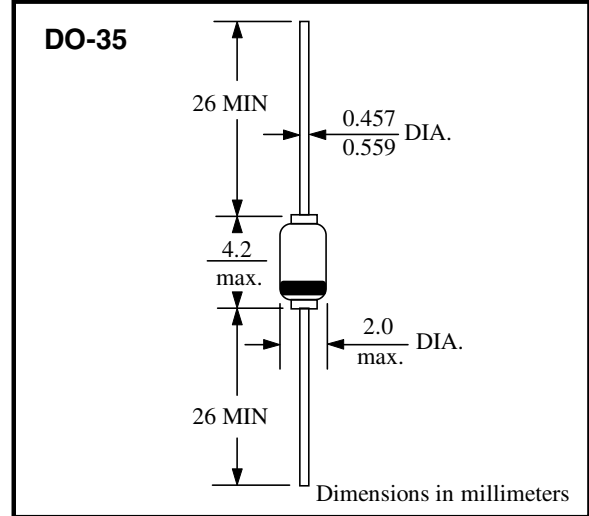
Absolute Maximum Ratings (Ta=25°C)

| Items | Symbol | Ratings | Unit |
|---------------------------------------|--------|------------|------|
| Reverse Voltage | VR | 75 | V |
| Reverse Recovery Time | trr | 4 | ns |
| Power Dissipation 3.33mW/°C (25°C) | P | 500 | mW |
| Forward Current | IF | 150 | mA |
| Junction Temp. | Tj | -65 to 175 | °C |
| Storage Temp. | Tstg | -65 to 175 | °C |

Mechanical Data

| Items | Materials |
|-------------|----------------------------|
| Package | DO-35 |
| Case | Hermetically sealed glass |
| Lead/Finish | Double stud/Solder Plating |
| Chip | Glass Passivated |

Dimensions (DO-35)



Electrical Characteristics (Ta=25°C)

| Ratings | Symbol | Ratings | Unit |
|--|---------|--------------------|------|
| Minimum Breakdown Voltage IR= 5.0uA IR= 100uA | BV | 75 100 | V |
| Peak Forward Surge Current PW= 1sec. | IFsurge | 2.0 | A |
| Maximum Forward Voltage IF= 10mA | VF | 1.0 | V |
| Maximum Reverse Current VR= 20V VR= 75V VR= 20V, Tj= 150°C | IR | 0.025 5.0 50 | uA |
| Maximum Junction Capacitance VR= 0, f= 1 MHz | Cj | 4 | pF |
| Maximum Reverse Recovery Time IF= 10mA, VR= 6V, IRR= 1mA, RL= 100 | trr | 4 | ns |