



## Glass Diode Series Reliability & Qualification Data

This is the reliability and qualification data for the glass axial lead and surface mount Zener, rectifier and Schottky series.

### Features

JAN/JANTX/JANTXV available for most  
Voltage range: 1.8 to 200 Volts  
.25 – 1.0 watt power rating  
Low noise, Low leakage and  
Tight tolerance available

### Mechanical

Hermetically sealed, double slug glass  
Tin-Lead Plating  
DO-7, DO-35, DO-41, DO-213AA, DO-213AB  
Cathode indicated by band  
Metallurgical bond available

### Maximum Ratings

Operating Temperatures: -65° C to 200° C  
Storage Temperature: -65° C to 200° C

Stress	Results
Moisture Classification	Level 1 Package - No Drypack Required Hermetically sealed
ESD Sensitivity	Non-sensitive – No special handling required
Estimated FIT 0.3	90% confidence, 70° C operating, 0.7 eV
Temperature Cycle	0/39936 @ 20 temp. cycles (-55° C to 175° C)
Steady State Life	0/83704 @ 25° C – Tj 150° (1000)
High Temperature Storage	0/675 @ 175° C (1000 Hours)

GLASS1101

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The following series are covered: 1N4370-4372, 1N746-1N759, 1N962-1N992, 1N4099-1N4135, 1N4614-1N4627, 1N4678-1N4717, 1N4728-1N4764, 1N5221-1N5281, 1N5518-

1N5546, 1N5817, 1N5819, 1N5728-1N5757, 1N5913-1N5956, 1N5985-1N6031, 1N4001–  
1N4006 and all MLL, DL, UR AND –1 versions.