



Glass Signal Diode Series Reliability & Qualification Data

This is the reliability and qualification data for the glass axial lead and surface mount signal diode series.

Features

JAN/JANTX/JANTXV available
Ultra fast reverse and forward recovery
Low forward recovery voltage
Planar passivated chip

Mechanical

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

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 0.66	60% confidence, 70° C operating, 0.7 eV
Temperature Cycle	0/4768 @ 20 temp. cycles (-55° C to 175° C)
Steady State Life	0/5390 @ 175° C(1000 Hours)
High Temperature Storage	0/900 @ 175° C (1000 Hours)

GLASSSIG

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The following series are covered: 1N914, 1N4148, 1N4150, 1N4153, 1N4454, 1N4938 and all UR AND -1 versions.