



Medium Power Zener Series Reliability & Qualification Data

This is the reliability and qualification data for the metal package Medium Power Zener Diode series.

Features

JAN/JANTX/JANTXV available
Voltage 3.3 – 200
1.0Watt power rating
Highly reliable and rugged

Mechanical

Hermetically sealed metal package
Tin-Lead Plating
DO-13
Polarity identified by symbol

Maximum Ratings

Operating Temperatures: -65° C to 175° C
Storage Temperature: -65° C to 175° C

| Stress | Results |
|--------------------------|--|
| Moisture Classification | Level 1 Package - No Drypack Required Hermetically sealed |
| ESD Sensitivity | Non-sensitive – No special handling required |
| Estimated FIT 0.5 | 60% confidence, 70° C operating, 0.7 eV |
| Temperature Cycle | 0/9376@ 20 temp. cycles (-55° C to 175° C) |
| Steady State Life | 0/20917@ 150° C(1000 Hours) |
| High Temperature Storage | 0/675 @ 175° C (1000 Hours) |

MEDPOWERZENER1101

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The following series are covered: 1N3016-1N3051, 1N3821-1N3830