



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