

1N746A-1 thru 1N759A-1 & 1N4370A-1 thru 1N4372A-1



Silicon Zener Diode Series

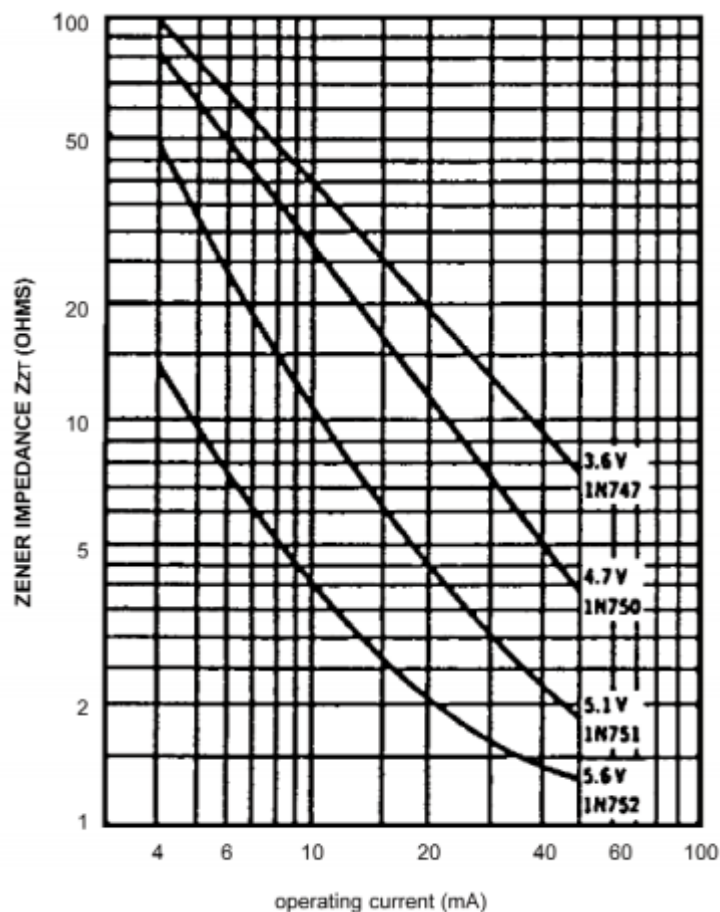
Rev. V1

Absolute Maximum Ratings

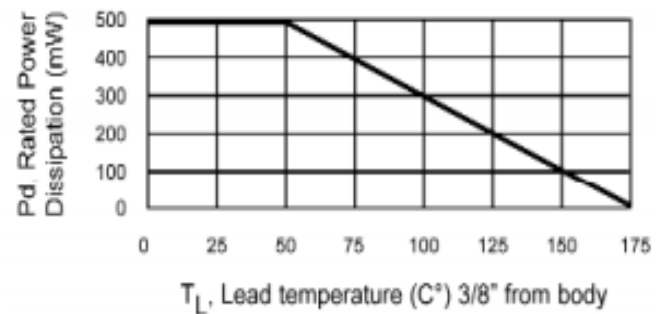
Parameter	Absolute Maximum
Forward Voltage	1.1 V @ 200 mA
DC Power Dissipation	500 mW @ +50°C
Power Derating	4 mW/°C above +50°C
Thermal Resistance	250°C/W @ L = 0.375 in.
Thermal Impedance	25°C/W
Operating & Storage Temperature	-65°C to +175°C

Typical Performance Curves

Zener Impedance vs. Operating Current



Power Derating Curve



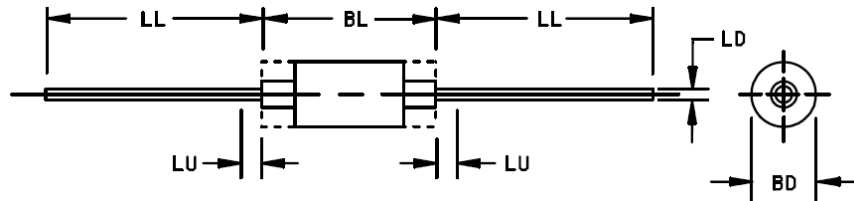
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Outline



Symbol	Inches		Millimeters		Notes
	Min.	Max.	Min.	Max.	
BD	0.055	0.090	1.40	2.29	3
BL	0.120	0.200	3.05	5.08	4
LD	0.018	0.023	0.46	0.58	
LL	1.000	1.500	25.40	38.10	
LU		0.050		1.27	5

Notes:

1. Dimensions are in inches.
2. Millimeters are given for general information only.
3. Dimension BD shall be measured at the largest diameter.
4. The BL dimension shall include the entire body including slugs.
5. Dimension LU shall include the sections of the lead over which the diameter is uncontrolled. This uncontrolled area is defined as the zone between the edge of the diode body and extending .050 inch (1.27 mm) onto the leads.
6. In accordance with ASME Y14.5M, diameters are equivalent to Φ x symbology.

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