

Lumimax Optoelectronic Technology

Zener Diodes 1N47xxA-SERIES

Zener Voltage: 3.3V~75V

Peak Pulse Power: 1W

DO-41 (Glass) Package

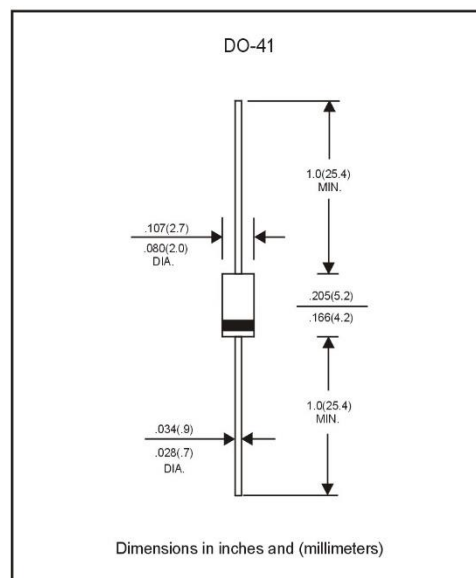
Features:

- Low Zener impedance
- Low regulation factor
- Glass passivated junction
- High temperature soldering guaranteed
260°C/10s/9.5mm lead length at 5 lbs tension

Mechanical Data:

- Case: JEDEC DO-41 (Glass) molded glass body
- Terminals: Plated axial leads, solderable per MIL-STD 750, method 2026
- Polarity: Color band denotes cathode end
- Mounting Position: Any

Package outline



Maximum Ratings and Electrical Characteristics

(Ratings at 25° C ambient temperature unless otherwise specified)

Zener current see Table Characteristics

Power dissipation =1000mW

Junction temperature Tj= 200° C

Storage temperature range: TSTG= -65° C to + 200°C

Thermal resistance junction ambient = 170°C/W

Forward voltage VF=1.2V at IF=200mA

Electrical Characteristics (at 25°C unless otherwise noted)

Mfr P/N	Voltage - Zener (Vz)	Tolerance	Power Max	Impedance (Max) (Zzt)	Current - Reverse Leakage @ Vr	Voltage - Forward (Vf) (Max) @ If
1N4728A	3.3V	±5%	1 W	10 Ohms	100 µA @ 1 V	1.2 V @ 200 mA
1N4729A	3.6V	±5%	1 W	10 Ohms	100 µA @ 1 V	1.2 V @ 200 mA
1N4730A	3.9V	±5%	1 W	9 Ohms	50 µA @ 1 V	1.2 V @ 200 mA
1N4731A	4.3V	±5%	1 W	9 Ohms	10 µA @ 1 V	1.2 V @ 200 mA
1N4732A	4.7V	±5%	1 W	8 Ohms	10 µA @ 1 V	1.2 V @ 200 mA
1N4733A	5.1V	±5%	1 W	7 Ohms	10 µA @ 1 V	1.2 V @ 200 mA
1N4734A	5.6V	±5%	1 W	5 Ohms	10 µA @ 2 V	1.2 V @ 200 mA
1N4735A	6.2V	±5%	1 W	2 Ohms	10 µA @ 3 V	1.2 V @ 200 mA
1N4736A	6.8V	±5%	1 W	3.5 Ohms	10 µA @ 4 V	1.2 V @ 200 mA
1N4737A	7.5V	±5%	1 W	4 Ohms	10 µA @ 5 V	1.2 V @ 200 mA
1N4738A	8.2V	±5%	1 W	4.5 Ohms	10 µA @ 6 V	1.2 V @ 200 mA
1N4739A	9.1V	±5%	1 W	5 Ohms	10 µA @ 7 V	1.2 V @ 200 mA
1N4740A	10V	±5%	1 W	7 Ohms	10 µA @ 7.6 V	1.2 V @ 200 mA
1N4741A	11V	±5%	1 W	8 Ohms	5 µA @ 8.4 V	1.2 V @ 200 mA
1N4742A	12V	±5%	1 W	9 Ohms	5 µA @ 9.1 V	1.2 V @ 200 mA
1N4743A	13V	±5%	1 W	10 Ohms	5 µA @ 9.9 V	1.2 V @ 200 mA
1N4744A	15V	±5%	1 W	14 Ohms	5 µA @ 11.4 V	1.2 V @ 200 mA
1N4745A	16V	±5%	1 W	16 Ohms	5 µA @ 12.2 V	1.2 V @ 200 mA
1N4746A	18V	±5%	1 W	20 Ohms	5 µA @ 13.7 V	1.2 V @ 200 mA
1N4747A	20V	±5%	1 W	22 Ohms	5 µA @ 15.2 V	1.2 V @ 200 mA
1N4748A	22V	±5%	1 W	23 Ohms	5 µA @ 16.7 V	1.2 V @ 200 mA
1N4749A	24V	±5%	1 W	25 Ohms	5 µA @ 18.2 V	1.2 V @ 200 mA
1N4750A	27V	±5%	1 W	35 Ohms	5 µA @ 20.6 V	1.2 V @ 200 mA
1N4751A	30V	±5%	1 W	40 Ohms	5 µA @ 22.8 V	1.2 V @ 200 mA
1N4752A	33V	±5%	1 W	45 Ohms	5 µA @ 25.1 V	1.2 V @ 200 mA
1N4753A	36V	±5%	1 W	50 Ohms	5 µA @ 27.4 V	1.2 V @ 200 mA
1N4754A	39V	±5%	1 W	60 Ohms	5 µA @ 29.7 V	1.2 V @ 200 mA
1N4755A	43V	±5%	1 W	70 Ohms	5 µA @ 32.7 V	1.2 V @ 200 mA
1N4756A	47V	±5%	1 W	80 Ohms	5 µA @ 35.8 V	1.2 V @ 200 mA

Suffix "A" indicate ±5% tolerance

Package: 2500pcs taped in one box