

500mW Zener Diodes

Features

- Hermetically sealed glass package zener diodes
- RoHS Compliant



DO-35



Mechanical Data

Case:	Hermetically sealed axial lead glass case, DO-35 package
Terminals:	Leads, tin-lead plated solderable per MIL-STD-750, method 2026
Polarity:	Color band denotes cathode
Weight:	0.2 gram

Maximum Ratings ($T_A=25^{\circ}\text{C}$ unless noted otherwise)

Symbol	Description	Value	Unit
Z_v	Zener Voltage	3.3 to 12	V
P_D	DC Power Dissipation	400	mW
	Derating Above 50 °C	3.2	mW/° C
T_J, T_{STG}	Operating Junction and Storage Temperature Range	-65 to 175	° C

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1N746A - 1N759A

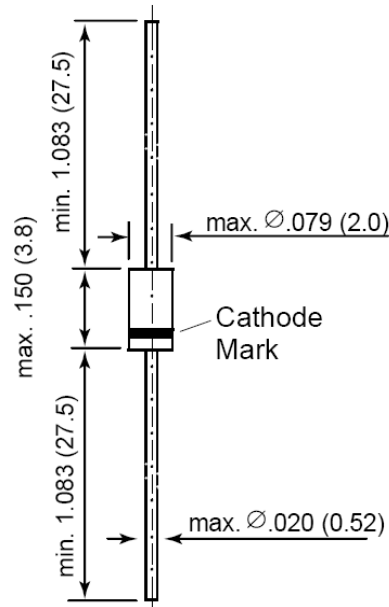
Electrical Characteristics ($T_A=25^\circ\text{C}$ unless noted otherwise, $V_F<1.5\text{V}$ @ 200mA)

Part Number (Note1)	Nominal Zener Voltage V_Z @ I_{ZT} (Note2)	Zener Test Current I_{ZT}	Maximum Zener Impedance Z_{ZT} @ I_{ZT}	Maximum Reverse Current I_R @ 25°C	Maximum Reverse Current I_R @ 150°C	Maximum Reverse Current I_R @ V_R	Maximum Zener Current I_{ZM}	Typical TEMP. Coeff. Of Zener Voltage * v_Z
	(V)	(mA)	(Ω)	(μA)	(μA)	(V)	(mA)	(% $^\circ\text{C}$)
1N746A	3.3	20	28	10	30	1.0	110	-0.066
1N747A	3.6	20	24	10	30	1.0	100	-0.058
1N748A	3.9	20	23	10	30	1.0	95	-0.046
1N749A	4.3	20	22	2.0	30	1.0	85	-0.033
1N750A	4.7	20	19	2.0	30	1.0	75	-0.015
1N751A	5.1	20	17	1.0	20	1.0	70	+ -0.010
1N752A	5.6	20	11	1.0	20	1.0	65	+ -0.030
1N753A	6.2	20	7	0.1	20	1.0	60	+ -0.049
1N754A	6.8	20	5	0.1	20	1.0	55	+ -0.053
1N755A	7.5	20	6	0.1	20	1.0	50	+ -0.057
1N756A	8.2	20	8	0.1	20	1.0	45	+ -0.060
1N757A	9.1	20	10	0.1	20	1.0	40	+ -0.061
1N758A	10	20	17	0.1	20	1.0	35	+ -0.062
1N759A	12	20	30	0.1	20	1.0	30	+ -0.062

Note 1: The part numbers shown above have a Zener voltage tolerance of $\pm 5\%$ of the nominal Zener voltage.

2: Pulse Condition: $20\text{ms} < t_p < 50\text{ms}$, Duty Cycle $< 2\%$

Dimensions in inch (mm)



How to contact us

DO-35

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