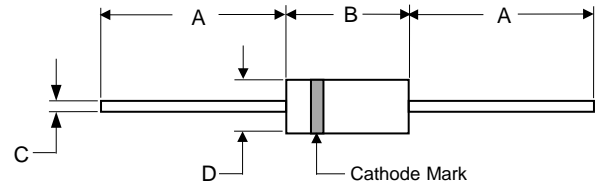


Features

- * Standard Zener voltage tolerance is $\pm 10\%$.
- * Add suffix "A" for $\pm 5\%$ tolerance.
- * Other tolerances, non-standard and higher Zener voltages are upon request.



RoHS
COMPLIANT



DO-35				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	1.083	---	27.50	---
B	---	0.154	---	3.90
C	---	0.020	---	0.50
D	---	0.075	---	1.90

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

Parameter	Symbol	Value	Unit
Power Dissipation	P_{tot}	500 ¹⁾	mW
Junction Temperature	T_j	175	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 65 to + 175	$^\circ\text{C}$

Note:

- 1) Valid provided that leads are kept at ambient temperature at a distance of 8 mm from case.

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

Parameter	Symbol	Max.	Unit
Thermal Resistance Junction to Ambient Air	R_{thA}	0.3 ¹⁾	K/mW
Forward Voltage at $I_F = 200 \text{ mA}$	V_F	1.2	V

Note:

- 1) Valid provided that leads are kept at ambient temperature at a distance of 8 mm from case.

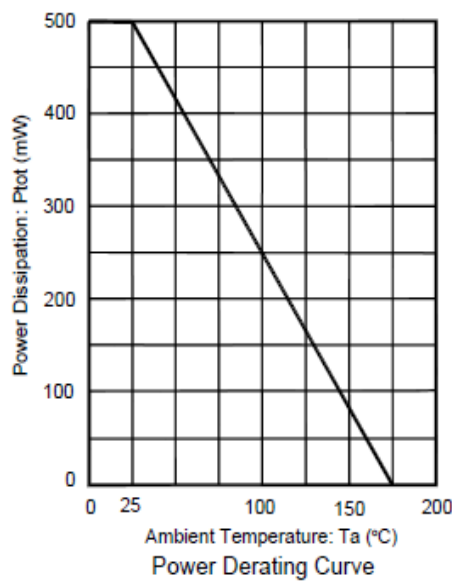
Electrical Characteristics (T_A=25°C unless otherwise noted)

Type	Zener Voltage Range ¹⁾		Maximum Zener Impedance	Maximum Reverse Leakage Current ²⁾ I _R at V _R = 1 V		Maximum Regulator Current I _{ZM} (mA)
	V _{znom} (V)	I _{ZT} (mA)		T _a = 25 °C	T _a = 150 °C	
			I _R (μA)	I _R (μA)		
1N746	3.3	20	28	10	30	110
1N747	3.6	20	24	10	30	100
1N748	3.9	20	23	10	30	95
1N749	4.3	20	22	2	30	85
1N750	4.7	20	19	2	30	75
1N751	5.1	20	17	1	20	70
1N752	5.6	20	11	1	20	65
1N753	6.2	20	7	0.1	20	60
1N754	6.8	20	5	0.1	20	55
1N755	7.5	20	6	0.1	20	50
1N756	8.2	20	8	0.1	20	45
1N757	9.1	20	10	0.1	20	40
1N758	10	20	17	0.1	20	35
1N759	12	20	30	0.1	20	30

Note:

- 1) Tested with pulses t_p = 20 ms
- 2) Valid provided that leads are kept at ambient temperature at a distance of 8 mm from case.

Ratings and Characteristic Curves





1N746 THRU 1N759

Silicon Planar Zener Diodes

Ordering Information

Part No.	Package	Packing Code	Packing
1N746 THRU 1N759	DO-35	A50	5000pcs/Ammo

Disclaimer

Specifications of the products displayed herein are subject to change without notice. JGD or anyone on its behalf, assumes no responsibility or liability for any errors or inaccuracies.

Information contained herein is intended to provide a product description only. No license, express or implied, to any intellectual property rights is granted by this document. Except as provided in JGD's terms and conditions of sale for such products, JGD assumes no liability whatsoever, and disclaims any express or implied warranty, relating to sale and/or use of JGD products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright, or other intellectual property right.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify JGD for any damages resulting from such improper use or sale.