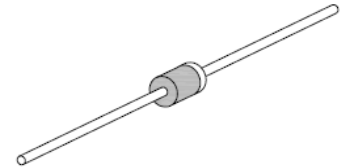


1.5W Zener Diodes

Features

- Low Profile Package
- 1.5W Power Dissipation
- Built-in Strain Relief
- Low Inductance
- High Stability
- Zener Voltage from 3.3V to 56V
- RoHS Compliant



DO-41



Mechanical Data

Case:	DO-41, Molded plastic over passivated junction
Terminals:	Axial leads, solderable per MIL-STD-750, Method 2026
Epoxy:	Plastic package has UL flammability classification 94V-0
Polarity:	Color band denotes cathode end
Weight:	0.012 ounce, 0.3 gram

Maximum Ratings *(T_{Ambient}=25°C unless noted otherwise)*

Symbol	Description	Value	Unit	Conditions
P_D	DC Power Dissipation on T _A =75°C, Measure at Zero Lead Length Derate above 75° C	1.5	W	Note
T_J, T_{STG}	Operating Junction and Storage Temperature Range	-50 to +150	° C	

Note: Mounted on 5.0mm² (.013mm thick) land areas.

1.5W Zener Diodes

1N5913B - 1N5943B

Electrical Characteristics ($T_{Ambient}=25^{\circ}C$ unless noted otherwise)

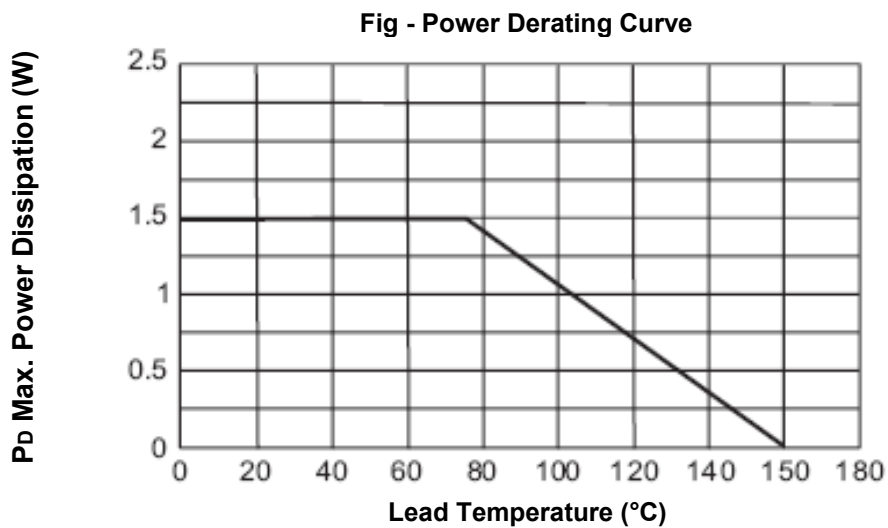
P/N	Normal Zener Voltage				Maximum Zener Impedance			Maximum Reverse Leakage Current	
	VZ @ IZT				ZZT @ IZT	Zzk @ Izk		IR @ VR	
	Nom. VZ	Min. VZ	Max. VZ	IZT (mA)	Ω	Ω	mA	μA	VR
1N5913B	3.3	3.14	3.47	113.6	10	500	1.0	50	1.0
1N5914B	3.6	3.42	3.78	104.2	9	500	1.0	35.5	1.0
1N5915B	3.9	3.71	4.10	96.1	7.5	500	1.0	12.5	1.0
1N5916B	4.3	4.09	4.52	87.2	6	500	1.0	2.5	1.0
1N5917B	4.7	4.47	4.94	79.8	5	500	1.0	2.5	1.5
1N5918B	5.1	4.85	5.36	73.5	4	350	1.0	2.5	2.0
1N5919B	5.6	5.32	5.88	66.9	2	250	1.0	2.5	3.0
1N5920B	6.2	5.89	6.51	60.5	2	200	1.0	2.5	4.0
1N5921B	6.8	6.46	7.14	55.1	2.5	200	1.0	2.5	5.2
1N5922B	7.5	7.13	7.88	50.0	3	400	0.5	2.5	6.0
1N5923B	8.2	7.79	8.61	45.7	3.5	400	0.5	2.5	6.5
1N5924B	9.1	8.65	9.56	41.2	4	500	0.5	2.5	7.0
1N5925B	10	9.50	10.50	37.5	4.5	500	0.25	2.5	8.0
1N5926B	11	10.45	11.55	34.1	5.5	550	0.25	0.5	8.4
1N5927B	12	11.40	12.60	31.2	6.5	550	0.25	0.5	9.1
1N5928B	13	12.35	13.65	28.8	7	550	0.25	0.5	9.9
1N5929B	15	14.25	15.75	25.0	9	600	0.25	0.5	11.4
1N5930B	16	15.20	16.80	23.4	10	600	0.25	0.5	12.2
1N5931B	18	17.10	18.90	20.8	12	650	0.25	0.5	13.7
1N5932B	20	19.00	21.00	18.7	14	650	0.25	0.5	15.2
1N5933B	22	20.90	23.10	17.0	17.5	650	0.25	0.5	16.7
1N5934B	24	22.80	25.20	15.6	19	700	0.25	0.5	18.2
1N5935B	27	25.65	28.35	13.9	23	700	0.25	0.5	20.6
1N5936B	30	28.50	31.50	12.5	26	750	0.25	0.5	22.8
1N5937B	33	31.35	34.65	11.4	33	800	0.25	0.5	25.1
1N5938B	36	34.20	37.80	10.4	38	850	0.25	0.5	27.4
1N5939B	39	37.05	40.95	9.6	45	900	0.25	0.5	29.7
1N5940B	43	40.85	45.15	8.7	53	950	0.25	0.5	32.7

1.5W Zener Diodes

1N5913B - 1N5943B

P/N	Normal Zener Voltage				Maximum Zener Impedance			Maximum Reverse Leakage Current	
	VZ @ IZT				ZZT @ IZT	Zzk @ Izk		IR @ VR	
	Nom. VZ	Min. VZ	Max. VZ	IZT (mA)	Ω	Ω	mA	μ A	VR
1N5941B	47	44.65	49.35	8.0	67	1000	0.25	0.5	35.8
1N5942B	51	48.45	53.55	7.3	70	1100	0.25	0.5	38.8
1N5943B	56	53.20	58.80	6.7	86	1300	0.25	0.5	42.6

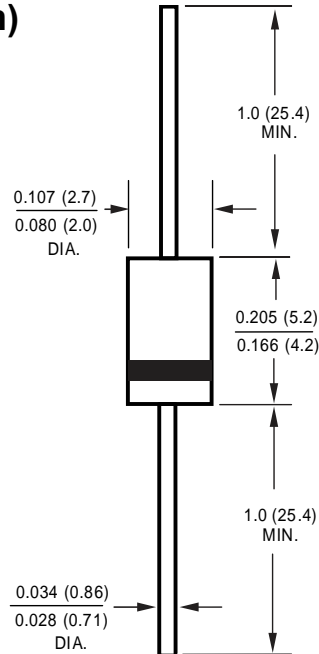
Characteristics Curves



1.5W Zener Diodes

1N5913B - 1N5943B

Dimensions in inches (mm)



DO-41

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