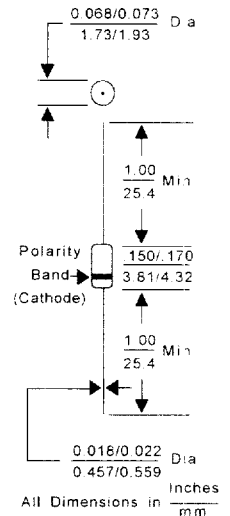


ZENER DIODES, GENERAL PURPOSE

400mW		Nominal Zener Voltage at I_{ZT}	Zener Test Current	Maximum Zener Impedance			Max DC Zener Current	Max. Recurr. Surge	Maximum Reverse Leakage Current		Max. Temp. Coeff.	Package Quantities	Outline
JEDEC Part Number		V_Z (Volts)	I_{ZT} (mA)	$Z_{0.1}$ @ I_{ZT} (Ohms)	$Z_{0.5}$ @ I_{ZT} (Ohms)	$I_{Z0.5}$ (mA)	I_{ZM} (mA)	I_{ZM} (mA)	V_{RL} (Volts)	I_{RL} (μA)	%/°C	Bulk/Reel	Inches/millimeters
1N957B		6.8	18.5	4.5	700	1.00	55	300	150	5.2	+0.050		FEATURES: - Zener Voltage: 6.8 to 200 volts - Hermetically sealed glass package MAXIMUM RATINGS: - Junction Temperature: -65°C to +175°C - Storage temperature: -65°C to +175°C - DC Power Dissipation: 400 mW at $T_A = 75^\circ\text{C}$ - Derate above 75°C: 4.0 mW/°C - Forward Voltage at 200 mA: 1.5 volts max. JEDEC Registered Data Standard B Suffix Voltage Tolerance is ±5%. Suffix A = ±10%, Suffix C = ±2%, Suffix D = ±1%
1N958B		7.5	16.5	5.5	700	0.50	50	275	75	5.7	+0.058		
1N959B		8.2	15.0	6.5	700	0.50	45	250	50	6.2	+0.065		
1N960B		9.1	14.0	7.5	700	0.50	41	225	25	6.9	+0.068		
1N961B		10	12.5	8.5	700	0.25	38	200	10	7.6	+0.075		
1N962B		11	11.5	9.5	700	0.25	32	175	5	8.4	+0.076		
1N963B		12	10.5	11.5	700	0.25	31	160	5	9.1	+0.077		
1N964B		13	9.5	13	700	0.25	28	150	5	9.9	+0.079		
1N965B		15	8.5	16	700	0.25	25	130	5	11.4	+0.082		
1N966B		16	7.8	17	700	0.25	24	120	5	12.2	+0.083		
1N967B		18	7.0	21	750	0.25	20	110	5	13.7	+0.085		
1N968B		20	6.2	25	750	0.25	18	100	5	15.2	+0.086		
1N969B		22	5.6	29	750	0.25	16	90	5	16.7	+0.087		
1N970B		24	5.2	33	750	0.25	15	80	5	18.2	+0.088		
1N971B		27	4.6	41	750	0.25	13	70	5	20.6	+0.090		
1N972B		30	4.2	49	1000	0.25	12	65	5	22.8	+0.091		
1N973B		33	3.8	58	1000	0.25	11	60	5	25.1	+0.092		
1N974B		36	3.4	70	1000	0.25	10	55	5	27.4	+0.093		
1N975B		39	3.3	80	1000	0.25	9.5	46	5	29.7	+0.094		
1N976B		43	3.0	93	1500	0.25	8.8	44	5	32.7	+0.095		
1N977B		47	2.7	105	1500	0.25	7.9	40	5	35.8	+0.095		
1N978B		51	2.5	125	1500	0.25	7.4	37	5	38.8	+0.096		
1N979B		56	2.2	150	2000	0.25	6.6	35	5	42.6	+0.096		
1N980B		62	2.0	185	2000	0.25	6.0	30	5	47.1	+0.097		
1N981B		68	1.8	230	2000	0.25	5.5	28	5	51.7	+0.097		
1N982B		75	1.7	270	2000	0.25	5.0	26	5	56.0	+0.098		
1N983B		82	1.5	330	3000	0.25	4.6	23	5	62.2	+0.098		
1N984B		91	1.4	400	3000	0.25	4.1	21	5	69.2	+0.099		
1N985B		100	1.3	500	3000	0.25	3.7	18	5	76.0	+0.110		
1N986B		110	1.1	750	4000	0.25	3.3	16	5	83.6	+0.110		
1N987B		120	1.0	900	4500	0.25	3.1	15	5	91.2	+0.110		
1N988B		130	0.95	1100	5000	0.25	2.7	13	5	98.8	+0.110		
1N989B		150	0.85	1500	6000	0.25	2.4	12	5	114.0	+0.110		
1N990B		160	0.80	1700	6500	0.25	2.2	11	5	121.6	+0.110		
1N991B		180	0.68	2200	7100	0.25	2.0	10	5	146.8	+0.110		
1N992B		200	0.65	2500	8000	0.25	1.8	9	5	152.0	+0.110		

400mW		Nominal Zener Voltage at I_{ZT}	Zener Test Current	Max Zener Impedance at I_{ZT}	Maximum Reverse Leakage Current at $V_Z = 1.0$ volts		Typical Temperature Coefficient of Zener Voltage
JEDEC Part Number		V_Z (V)	I_{ZT} (μA)	(Ohms)	I_{L25} (μA)	I_{L50} (μA)	(%/°C)
1N4370		2.4	20	30	100	200	-0.085
1N4371		2.7	20	30	75	150	-0.080
1N4372		3.0	20	29	50	150	-0.075
1N746		3.3	20	28	10	110	-0.066
1N747		3.6	20	24	10	100	-0.058
1N748		3.9	20	23	10	95	-0.046
1N749		4.3	20	22	2.0	85	-0.033
1N750		4.7	20	19	2.0	75	-0.015
1N751		5.1	20	17	1.0	70	±0.010
1N752		5.6	20	11	1.0	65	+0.030
1N753		6.2	20	7	0.1	60	+0.049
1N754		6.8	20	5	0.1	55	+0.053
1N755		7.5	20	6	0.1	50	+0.057
1N756		8.2	20	8	0.1	45	+0.060
1N757		9.1	20	10	0.1	40	+0.061
1N758		10.0	20	17	0.1	35	+0.062
1N759		12.0	20	30	0.1	30	+0.062

1000/
10,000



DO-35

- FEATURES:**
- Zener Voltage: 1.8 to 43 volts
 - Hermetically sealed DO-35.
- MAXIMUM RATINGS:**
- Junction Temperature: -65°C to +200°C
 - Storage temperature: -65°C to +175°C
 - DC Power Dissipation: 400 mW at $T_A = 75^\circ\text{C}$
 - Derate above 75°C: 4.0 mW/°C
 - Forward Voltage @ 200 mA: 1.5 volts max.
- Standard (No Suffix) Voltage Tolerance is ±10%.
- Suffix A = ±5%
 Suffix C = ±2%,
 Suffix D = ±1%