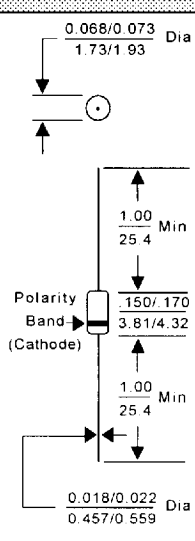


ZENER DIODES, LOW CURRENT, LOW NOISE

400mW	Nominal Zener Voltage at I_z	Zener Test Current	Maximum Zener Impedance Z_z @ I_z	Maximum Reverse Leakage Current at $T_a = 25^\circ\text{C}$		Maximum Noise Density N_z @ I_z	Max Zener Current	Maximum Temperature Coefficient α	Package Quantities	Outline
JEDEC Part Number	V_z (V)	I_z (μA)	(Ohms)	V_z (Volts)	I_z (μA)	$\mu\text{V}/\text{Hz}$	$I_{z\max}$ (mA)	%/ $^\circ\text{C}$	Bulk/Reel	Inches/millimeters
1N4614B	1.8	250	1200	1.0	7.5	1	120	-0.075	1000/ 10,000	 0.068/0.073 1.73/1.93 Dia 1.00 25.4 Min 0.018/0.022 0.457/0.559 Dia 1.00 25.4 Min 0.008/0.009 0.203/0.229 Dia Polarity Band (Cathode) All Dimensions in Inches/mm DO-35 FEATURES: • Low Noise • Zener Voltage: 1.8 to 100 volts • Hermetically sealed glass package • Especially suited for low current, low noise operation at 250 μA MAXIMUM RATINGS: • Junction Temperature: -65°C to $+200^\circ\text{C}$ • Storage temperature: -65°C to $+200^\circ\text{C}$ • DC Power Dissipation: 400 mW at $T_a = 75^\circ\text{C}$ • Derate above 75°C: 2.66 mW/$^\circ\text{C}$ • Forward Voltage: 1N4099-1N4135: 1.0 volts max at 200 mA 1N4614-1N4627: 1.0 volts max at 100 mA Standard B Suffix Voltage Tolerance is $\pm 5\%$. Suffix A = $\pm 10\%$, $\pm 2\%$ and $\pm 1\%$ available on special order
1N4615B	2.0		1250	1.0	5.0	1	110	-0.075		
1N4616B	2.2		1300	1.0	4.0	1	100	-0.075		
1N4617B	2.4		1400	1.0	2.0	1	95	-0.075		
1N4618B	2.7		1500	1.0	1.0	1	90	-0.075		
1N4619B	3.0		1600	1.0	0.8	1	87	-0.075		
1N4620B	3.3		1650	1.5	7.5	1	85	-0.075		
1N4621B	3.6		1700	2.0	7.5	1	83	-0.065		
1N4622B	3.9		1650	2.0	5.0	1	80	-0.060		
1N4623B	4.3		1600	2.0	4.0	1	77	-0.050		
1N4624B	4.7		1550	3.0	10.0	1	75	-0.040/+0.020		
1N4625B	5.1		1500	3.0	10.0	2	70	-0.045/+0.030		
1N4626B	5.6		1400	4.0	10.0	4	65	-0.020/+0.040		
1N4627B	6.2		1200	5.0	10.0	5	61	-0.010/+0.050		
1N4099B	6.8		200	5.17	10.0	40	56	+0.040		
1N4100B	7.5		200	5.70	10.0	40	51	+0.045		
1N4101B	8.2		200	6.24	1.0	40	46	+0.048		
1N4102B	8.7		200	6.61	1.0	40	44	+0.049		
1N4103B	9.1		200	6.92	1.0	40	42	+0.050		
1N4104B	10		200	7.60	1.0	40	38	+0.055		
1N4105B	11		200	8.44	0.05	40	35	+0.060		
1N4106B	12		200	9.12	0.05	40	32	+0.065		
1N4107B	13		200	9.87	0.05	40	29	+0.065		
1N4108B	14		200	10.65	0.05	40	27	+0.070		
1N4109B	15		100	11.40	0.05	40	25	+0.070		
1N4110B	16		100	12.15	0.05	40	24	+0.070		
1N4111B	17		100	12.92	0.05	40	22	+0.075		
1N4112B	18		100	13.67	0.05	40	21	+0.075		
1N4113B	19		150	14.44	0.05	40	20	+0.075		
1N4114B	20		150	15.20	0.01	40	19	+0.075		
1N4115B	22		150	16.72	0.01	40	17	+0.080		
1N5116B	24		150	18.25	0.01	40	16	+0.080		
1N4117B	25		150	19.00	0.01	40	15	+0.080		
1N4118B	27		150	20.45	0.01	40	14	+0.085		
1N4119B	28		200	21.28	0.01	40	14	+0.085		
1N4120B	30		200	22.80	0.01	40	13	+0.085		
1N4121B	33		200	25.08	0.01	40	12	+0.085		
1N4122B	36		200	27.38	0.01	40	11	+0.090		
1N4123B	39		200	29.65	0.01	40	9.8	+0.090		
1N4124B	43		250	32.65	0.01	40	8.9	+0.090		
1N4125B	47		250	35.75	0.01	40	8.1	+0.090		
1N4126B	51		300	38.76	0.01	40	7.5	+0.090		
1N4127B	56		300	42.60	0.01	40	6.7	+0.090		
1N4128B	60		400	45.60	0.01	40	6.4	+0.090		
1N4129B	62		500	47.10	0.01	40	6.1	+0.090		
1N4130B	68		700	51.68	0.01	40	5.6	+0.095		
1N4131B	75		700	57.00	0.01	40	5.1	+0.095		
1N4132B	82		800	63.32	0.01	40	4.6	+0.095		
1N4133B	87		1000	66.12	0.01	40	4.4	+0.095		
1N4134B	91		1200	69.16	0.01	40	4.2	+0.095		
1N4135B	100		1500	76.00	0.01	40	3.8	+0.095		