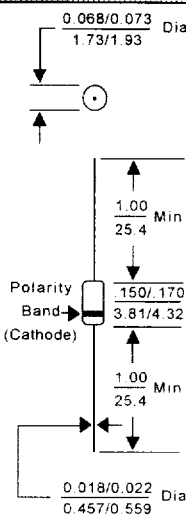


ZENER DIODES, LOW CURRENT, LOW NOISE

400mW		Nominal Zener Voltage at I_z	Zener Test Current	Maximum Zener Impedance $Z_{0.1} @ I_z$	Maximum Reverse Leakage Current at $T_a = 25^\circ\text{C}$		Maximum Noise Density $N_p @ I_z$	Max Zener Current	Maximum Temperature Coefficient α	Package Quantities	Outline
JEDEC Part Number		V_z (V)	I_z (μA)	(Ohms)	V_r (Volts)	I_r (μA)	$\mu\text{V}/\text{Hz}$	I_{zr} (mA)	%/°C	Bulk/Reel	Inches/millimeters
1N4614B		1.8		1200	1.0	7.5	1	120	-0.075		 All Dimensions in Inches mm
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	250	100	12.15	0.05	40	24	+0.070	1000/ 10,000	
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		

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