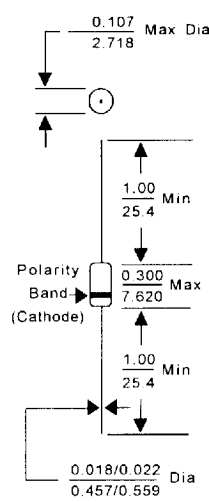


ZENER DIODES, GLASS PACKAGE, LOW NOISE, LOW LEAKAGE

600mW	Nominal Zener Voltage at I_z	Zener Test Current	Maximum Dynamic Impedance Z_{11} @ I_z	Maximum Reverse Leakage Current				Maximum Noise Density N_p @ I_z	Maximum Voltage Regulation From I_{z1} to I_{z2}		Package Quantities	Outline
	V_z (V)	I_z (μ A)	(Ohms)	$T_a=25^{\circ}\text{C}$		$T_a=150^{\circ}\text{C}$		N_p (μ V/Hz)	ΔV_z (V)	I_{z1} (mA)	Bulk/Reel	Inches/millimeters
				V_z (V)	I_z (μ A)	V_z (V)	I_z (μ A)					
JEDEC Part Number												
LNA328	2.8	20	50	1.0	5.0	1.0	80.0	1.0	0.75	2.0	100/ 1000	
LNA331	3.1	20	30	1.0	2.5	1.0	60.0	1.0	0.75	2.0		
LNA335	3.5	20	20	1.0	2.0	1.0	40.0	1.0	0.75	2.0		
LNA339	3.9	20	15	1.0	2.0	1.0	30.0	1.0	0.75	2.0		
LNA343	4.3	20	12	1.5	2.0	1.5	25.0	1.0	0.75	2.0		
LNA347	4.7	10	10	2.0	2.0	2.0	10.0	1.0	0.50	1.0		
LNA351	5.1	5.0	10	3.0	2.0	2.0	5.0	1.0	0.30	0.25		
LNA356	5.6	1.0	40	4.0	2.0	3.0	1.0	1.0	0.10	0.05		
LNA362	6.2	1.0	40	5.6	0.5	4.0	1.0	1.0	0.10	0.01		
LNA368	6.8	1.0	50	6.2	0.05	5.0	1.0	1.0	0.10	0.01		
LNA375	7.5	1.0	50	6.8	0.01	6.0	1.0	1.0	0.10	0.01		
LNA382	8.2	1.0	75	7.5	0.01	6.5	1.0	1.0	0.10	0.01		
LNA391	9.1	1.0	75	8.2	0.01	8.0	1.0	1.0	0.10	0.01		
LNA3100	10.0	1.0	75	9.1	0.01	9.0	1.0	1.0	0.10	0.01		

DO-7

600mW		Nominal Zener Voltage at I_{z1}	Zener Test Current	Maximum Dynamic Impedance Z_{zt} @ I_{zt}	Maximum Reverse Current at $T_A=25^{\circ}\text{C}$		Maximum Noise Density N_p @ I_{zt}	Maximum Voltage Regulation From I_{z1} to I_{z2}		Temperature Coefficient of Zener Voltage (V_z)	Package Quantities
JEDEC Part Number		V_z (V)	I_{zt} (μA)	(Ohms)	V_z (V)	I_z (μA)	($\mu\text{V}/\text{Hz}$)	ΔV_z (V)	I_{z2} (mA)	(%/ $^{\circ}\text{C}$)	Bulk/Reel
GLA28		2.8	20	50	1.0	5.0	1.0	1.00	2.0	-0.065	100/ 1000
GLA31		3.1	20	30	1.0	2.5	1.0	1.00	2.0	-0.063	
GLA35		3.5	20	20	1.0	2.0	1.0	1.00	2.0	-0.058	
GLA39		3.9	20	15	1.0	2.0	1.0	1.00	2.0	-0.050	
GLA43		4.3	20	12	1.5	2.0	1.0	1.00	2.0	-0.025	
GLA47		4.7	10	10	2.0	2.0	1.0	0.75	1.0	± 0.010	
GLA51		5.1	5.0	10	3.0	2.0	1.0	0.45	0.25	+0.025	
GLA56		5.6	1.0	40	4.0	2.0	1.0	0.15	0.05	+0.033	
GLA62		6.2	1.0	40	5.6	0.5	1.0	0.15	0.01	+0.045	
GLA68		6.8	1.0	50	6.2	0.05	1.0	0.15	0.01	+0.050	
GLA75		7.5	1.0	50	6.8	0.01	1.0	0.15	0.01	+0.055	
GLA82		8.2	1.0	75	7.5	0.01	1.0	0.15	0.01	+0.062	
GLA91		9.1	1.0	75	8.2	0.01	1.0	0.15	0.01	+0.066	
GLA100		10.0	1.0	75	9.1	0.01	1.0	0.15	0.01	+0.070	

FEATURES:

- Low Noise Avalanche Diodes
- Zener Voltage: 2.8 to 10.0 volts
- Hermetically sealed DO-7.
- Controlled Voltage Regulation
- Low Dynamic Impedance
- Low Leakage Current

MAXIMUM RATINGS:

- Junction Temperature: -65°C to $+175^\circ\text{C}$
- Storage temperature: -65°C to $+200^\circ\text{C}$
- DC Power Dissipation: 600 mW at $T_A = 25^\circ\text{C}$
- Derate above 25°C : 4.0 mW/ $^\circ\text{C}$
- Forward Voltage @ 200 mA: 1.0 volts max.

Standard (No Suffix) Voltage Tolerance is $\pm 10\%$.
 Suffix A = $\pm 5\%$,
 Suffix B = $\pm 2\%$