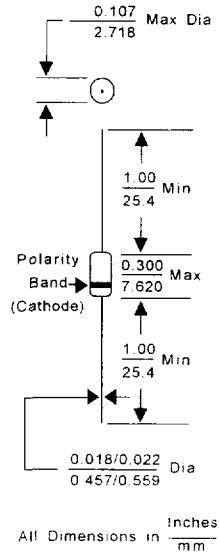
ZENER DIODES, GLASS PACKAGE, LOW NOISE, LOW LEAKAGE

600mW JEDEC Part Number	Nominal Zener Voltage at I_{ZT}	Zener Test Current	Maximum Dynamic Impedance Z_{zt} @ I_{zt}	Maximum Reverse Leakage Current T_A=25°C		T_A=150°C		Maximum Noise Density N_D @ I_{ZT}	Maximum Voltage Regulation From I_{zL} to I_{ZT}		Package Quantities	Outline
	V_z (V)	I_{zt} (uA)	(Ohms)	V_R (V)	I_R (uA)	V_R (V)	I_R (uA)	(uV/√Hz)	ΔV_z (V)	I_{zL} (mA)	Bulk/Reel	Inches/millimeters
LNA328	2.8	20	50	1.0	5.0	1.0	80.0	1.0	0.75	2.0		
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	100/	
LNA356	5.6	1.0	40	4.0	2.0	3.0	1.0	1.0	0.10	0.05	1000	
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 JEDEC Part Number	Nominal Zener Voltage at I_{ZT}	Zener Test Current	Maximum Dynamic Impedance Z_{zt} @ I_{zt}	Maximum Reverse Current at T_A=25°C		Maximum Noise Density N_D @ I_{ZT}	Maximum Voltage Regulation From I_{zL} to I_{ZT}		Temperature Coefficient of Zener Voltage (V_z)	Package Quantities
	V_z (V)	I_{zt} (uA)	(Ohms)	V_R (V)	I_R (uA)	(uV/√Hz)	ΔV_z (V)	I_{zL} (mA)	(%/°C)	Bulk/Reel
GLA28	2.8	20	50	1.0	5.0	1.0	1.00	2.0	-0.065	
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	100/
GLA56	5.6	1.0	40	4.0	2.0	1.0	0.15	0.05	+0.033	1000
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° C
- Storage temperature: -65° C to +200° C
- DC Power Dissipation: 600 mW at T_A=25° C
- Derate above 25° C: 4.0 mW/° C
- Forward Voltage @ 200 mA: 1.0 volts max.

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