

ZENER DIODES, GLASS PACKAGE, GENERAL PURPOSE

400mW JEDEC Part Number	Nominal Zener Voltage at I_{ZT}	Zener Test Current	Maximum Zener Impedance at I_{ZT}	Maximum Reverse Leakage Current			Maximum Zener Current	B,C,D Suffix Max Noise Density at $I_Z=250\mu A$	Package Quantities Bulk/Reel	Outline Inches/millimeters
	V_Z (V)	I_{ZT} (mA)	Z_{0T} (Ohms)	Non-A Suffix	B,C,D Suffix	I_Z @ V_Z	I_{ZM} (mA)	N_s ($\mu V/\sqrt{\text{Hz}}$)		
	V_Z (V)	I_{ZT} (mA)	Z_{0T} (Ohms)	V_Z (Volts)	V_Z (Volts)	(μA)				
1N6082	4.3	20.0	18	1.0	1.5	3.0	88	1.5	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 1.50/1.70 3.81/4.32 All Dimensions in Inches/mm DO-35
1N6083	4.7	10.0	10	1.5	2.0	2.0	81	2.0		
1N6084	5.1	5.0	10	2.0	2.5	2.0	75	2.5		
1N6085	5.6	1.0	40	3.0	3.5	2.0	68	3.5		
1N6086	6.2	1.0	45	4.5	5.0	1.0	61	5.0		
1N6087	6.8	1.0	50	5.5	6.2	1.0	56	6.2		
1N6088	7.5	1.0	50	6.0	6.8	0.5	51	6.8		
1N6089	8.2	1.0	60	6.5	7.5	0.5	46	7.5		
1N6090	9.1	1.0	60	7.0	8.2	0.1	42	8.2		
1N6091	10	1.0	60	8.0	9.1	0.05	38	9.1		

ZENER DIODES, GLASS PACKAGE, LOW NOISE, LOW REGULATION

400mW JEDEC Part Number	Nominal Zener Voltage at I_{ZT}	Zener Test Current	B,C,D Max Zener Impedance Z_{0T} @ I_{ZT}	Maximum Reverse Leakage Current at $T_A = 25^\circ C$			Maximum Noise Density N_s @ I_{ZT}	Max Zener Current	Maximum Voltage Regulation From I_{ZT} to I_{ZM}		Package Quantities Bulk/Reel	Outline Inches/millimeters
	V_Z (V)	I_{ZT} (μA)	(Ohms)	Non-A	B,C,D	I_Z (μA)	$\mu V/\sqrt{Hz}$	I_{ZM} (mA)	ΔV_Z (V)	I_{ZM} (mA)		
	V_Z (V)	I_{ZT} (μA)	(Ohms)									
1N5518	3.3	20	26	5.0	0.9	1.0	0.5	115	0.90	2.0	1000/ 10,000	FEATURES: - Low Noise Avalanche Diodes - Zener Voltage: 3.3 to 33 volts - Hermetically sealed DO-35. MAXIMUM RATINGS: - Junction Temperature: $-65^\circ C$ to $+200^\circ C$ - Storage temperature: $-65^\circ C$ to $+200^\circ C$ - DC Power Dissipation: 400 mW at $T_A = 50^\circ C$ - Derate above $50^\circ C$: 3.2 mW/$^\circ C$ - Forward Voltage @ 200 mA: 1.0 volts max. Standard (No Suffix) Voltage Tolerance is $\pm 5\%$. Suffix C = $\pm 2\%$. Suffix D = $\pm 1\%$ 0.068/0.073 1.73/1.93 Dia 1.00 25.4 Min 0.018/0.022 0.457/0.559 Dia 1.50/1.70 3.81/4.32 All Dimensions in Inches/mm DO-35
1N5519	3.6	20	24	3.0	0.9	1.0	0.5	105	0.09	2.0		
1N5520	3.9	20	22	1.0	0.9	1.0	0.5	98	0.85	2.0		
1N5521	4.3	20	18	3.0	1.0	1.5	0.5	86	0.75	2.0		
1N5522	4.7	10	22	2.0	1.5	2.0	0.5	81	0.60	1.0		
1N5523	5.1	5.0	26	2.0	2.0	2.5	0.5	75	0.65	0.25		
1N5524	5.6	3.0	30	2.0	3.0	3.5	1.0	68	0.30	0.25		
1N5525	6.2	1.0	30	1.0	4.5	5.0	1.0	61	0.20	0.01		
1N5526	6.8	1.0	30	1.0	5.5	6.2	1.0	56	0.10	0.01		
1N5527	7.5	1.0	35	0.5	6.0	6.8	2.0	51	0.05	0.01		
1N5528	8.2	1.0	40	0.50	6.5	7.5	4.0	46	0.05	0.01		
1N5529	9.1	1.0	45	0.10	7.0	8.2	4.0	42	0.05	0.01		
1N5530	10	1.0	60	0.05	8.0	9.1	4.0	38	0.10	0.01		
1N5531	11	1.0	80	0.05	9.0	9.9	5.0	35	0.20	0.01		
1N5532	12	1.0	90	0.05	9.5	10.8	10	32	0.20	0.01		
1N5533	13	1.0	90	0.01	10.5	11.7	15	29	0.20	0.01		
1N5534	14	1.0	100	0.01	11.5	12.6	20	27	0.20	0.01		
1N5535	15	1.0	100	0.01	12.5	13.5	20	26	0.20	0.01		
1N5536	16	1.0	100	0.01	13.0	14.4	20	24	0.20	0.01		
1N5537	17	1.0	100	0.01	14.0	15.3	20	22	0.20	0.01		
1N5538	18	1.0	100	0.01	15.0	16.2	20	21	0.20	0.01		
1N5539	19	1.0	100	0.01	16.0	17.1	20	20	0.20	0.01		
1N5540	20	1.0	100	0.01	17.0	18.0	20	19	0.20	0.01		
1N5541	22	1.0	100	0.01	18.0	19.8	20	17	0.25	0.01		
1N5542	24	1.0	100	0.01	20.0	21.6	20	16	0.30	0.01		
1N5543	26	1.0	100	0.01	21.0	22.4	20	15	0.35	0.01		
1N5544	28	1.0	100	0.01	23.0	25.2	20	14	0.40	0.01		
1N5545	30	1.0	100	0.01	24.0	27.0	20	13	0.45	0.01		
1N5546	33	1.0	100	0.01	28.0	29.7	20	12	0.50	0.01		