

LOW NOISE ZENER DIODES

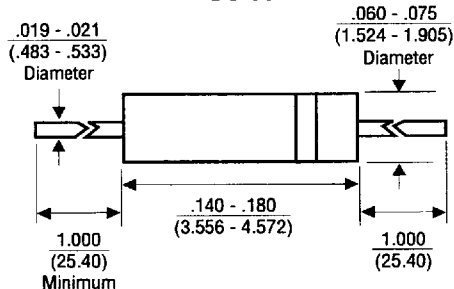
250mW (cont.)

Part #	Nominal Zener Voltage @ $I_{ZT} = 50\mu A$	Maximum Reverse Current	Test Voltage	Maximum Zener Current	Maximum Voltage Change
	V_Z (V)	I_R (μA)	V_R (V)	I_{ZM} (μA)	ΔV_Z (V)
1N4690	5.6	10	4.0	50	0.96
1N4691	6.2	10	5.0	45	0.95
1N4692	6.8	10	5.1	35	0.90
1N4693	7.5	10	5.7	31.8	0.75
1N4694	8.2	1.0	6.2	29.0	0.50
1N4695	8.7	1.0	6.6	27.4	0.10
1N4696	9.1	1.0	6.9	26.2	0.08
1N4697	10	1.0	7.6	24.8	0.10
1N4698	11	0.05	8.4	21.6	0.11
1N4699	12	0.05	9.1	20.4	0.12
1N4700	13	0.05	9.8	19.0	0.13
1N4701	14	0.05	10.6	17.5	0.14
1N4702	15	0.05	11.4	16.3	0.15
1N4703	16	0.05	12.1	15.4	0.16
1N4704	17	0.05	12.9	14.5	0.17
1N4705	18	0.05	13.6	13.2	0.18
1N4706	19	0.05	14.4	12.5	0.19
1N4707	20	0.01	15.2	11.9	0.20
1N4708	22	0.01	16.7	10.8	0.22
1N4709	24	0.01	18.2	9.9	0.24
1N4710	25	0.01	19.0	9.5	0.25
1N4711	27	0.01	20.4	8.8	0.27
1N4712	28	0.01	21.2	8.5	0.28
1N4713	30	0.01	22.8	7.9	0.30
1N4714	33	0.01	25.0	7.2	0.33
1N4715	36	0.01	27.3	6.6	0.36
1N4716	39	0.01	29.6	6.1	0.39
1N4717	43	0.01	32.6	5.5	0.43

400mW

Part #	Nominal Zener Voltage	Test Current	Maximum Zener Impedance	Maximum Reverse Current	Maximum Noise Density	Maximum Current	Typical Temperature Coefficient
	V_Z (V)	I_Z (mA)	Z_{ZT} (Ω)	I_Z (μA) @ V_R (V)	ND ($\mu V/\sqrt{Hz}$)	I_{ZM} (mA)	α_{VZ} (%/°C)
1N4099	6.8	.25	200	10.0 @ 5.17	40	56.0	0.040
1N4100	7.5	.25	200	10.0 @ 5.70	40	51.0	0.045
1N4101	8.2	.25	200	1.00 @ 6.24	40	46.0	0.048
1N4102	8.7	.25	200	1.00 @ 6.61	40	44.0	0.049
1N4103	9.1	.25	200	1.00 @ 6.92	40	42.0	0.050
1N4104	10.0	.25	200	0.05 @ 7.60	40	38.0	0.055
1N4105	11.0	.25	200	0.05 @ 8.44	40	35.0	0.060
1N4106	12.0	.25	200	0.05 @ 9.12	40	32.0	0.065
1N4107	13.0	.25	200	0.05 @ 9.87	40	29.0	0.065
1N4108	14.0	.25	200	0.05 @ 10.65	40	27.0	0.070
1N4109	15.0	.25	200	0.05 @ 11.40	40	25.0	0.070

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Operating temperature -65°C to +150°C
5% standard tolerance; Special tolerances available upon request