

5 WATT VOLTAGE REGULATOR 1N4954
thru
1N4984

AXIAL LEADED, HERMETICALLY SEALED,
5 WATT VOLTAGE REGULATORS

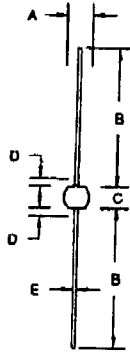
- Low dynamic impedance
- Hermetically sealed in Metoxillite fused metal oxide
- 5 Watt applications
- Low reverse leakage currents
- Small package
- V_Z nom = 6.8 - 120V
- I_Z = 39.5 - 700mA
- Z_Z = 0.75 - 70 Ω
- I_R = 2 - 150 μ A

ELECTRIAL SPECIFICATIONS (@ 25°C UNLESS OTHERWISE SPECIFIED)

Device Type	Breakdown Voltage V_{BR} @ I_Z TEST			Zener Test Current I_Z TEST	Zener Imped. Z_Z	Reverse Current @ V_R TEST		Temp. Coeff of $V_{(BR)}$ $\frac{\Delta V_Z}{V_Z}$	Maximum Reverse Current I_R
	nom	min	max			I_R	V_R TEST		
	Volts	Volts	Volts	mA	Ohms	μ A	Volts	%/°C	mA
1N4954	6.8	6.46	7.14	175	0.75	150	5.2	.05	700
1N4955	7.5	7.13	7.87	175	0.75	100	5.7	.06	630
1N4956	8.2	7.79	8.61	150	0.75	50	6.2	.06	580
1N4957	9.1	8.65	9.55	150	1.0	25	6.9	.06	520
1N4958	10	9.50	10.50	125	1.5	25	7.6	.07	475
1N4959	11	10.45	11.55	125	1.5	10	8.4	.07	430
1N4960	12	11.40	12.60	100	1.5	10	9.1	.07	395
1N4961	13	12.35	13.65	100	2.0	10	9.9	.08	365
1N4962	15	14.25	15.75	75	2.5	5	11.4	.08	315
1N4963	16	15.20	16.80	75	2.5	5	12.2	.08	294
1N4964	18	17.10	18.90	65	2.5	5	13.7	.085	264
1N4965	20	19.0	21.0	65	2.5	2	15.2	.085	237
1N4966	22	20.9	23.1	50	2.5	2	16.7	.085	216
1N4967	24	22.8	25.2	50	3.0	2	18.2	.09	198
1N4968	27	25.7	28.3	50	3.0	2	20.6	.09	176
1N4969	30	28.5	31.5	40	3.0	2	22.8	.09	158
1N4970	33	31.4	34.6	40	4.0	2	25.1	.095	144
1N4971	36	34.2	37.8	30	5.0	2	27.4	.095	132
1N4972	39	37.1	40.9	30	5.0	2	29.7	.095	132
1N4973	43	40.9	45.1	30	6.0	2	32.7	.095	110
1N4974	47	44.7	49.3	25	7.0	2	35.8	.095	100
1N4975	51	48.5	53.5	25	8.0	2	38.8	.095	92
1N4976	56	53.2	58.8	20	9.0	2	42.6	.095	84
1N4977	62	58.9	65.1	20	10.0	2	47.1	.100	76
1N4978	68	64.6	71.4	20	15.0	2	51.7	.100	70
1N4979	75	71.3	78.7	20	20.0	2	56.0	.100	63
1N4980	82	77.9	86.1	15	30.0	2	62.2	.100	58
1N4981	91	86.5	95.5	15	35.0	2	69.2	.100	52.5
1N4982	100	95.0	105.0	12	40.0	2	76.0	.100	47.5
1N4983	110	104.5	115.0	12	55.0	2	83.6	.100	43
1N4984	120	114.0	126.0	10	70.0	2	91.2	.100	39.5



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DIM #	MM		INCHES		NOTE
	MIN	MAX	MIN	MAX	
A	2.16	3.58	.085	.140	-
B	26.4	33.0	1.00	1.30	-
C	3.58	4.70	.140	.185	-
D	-	.80	-	.030	1
E	.91	1.07	.036	.042	-

NOTES:

1. LEAD DIAMETER UNCONTROLLED OVER THIS REGION.

OPERATING TEMP -198.3°C to +200°C
 STORAGE TEMP -198.3°C to +200°C