



# SOLID STATE INC.

46 FARRAND STREET  
BLOOMFIELD, NEW JERSEY 07003

www.solidstateinc.com

1N4954 thru 1N4992

## TECHNICAL DATA

### Zener 5W Voltage Regulator

- Hermetically sealed package
- glass passivated □
- Operating and Storage Temperature: -65°C to +175°C

SERIES TYPE	V <sub>Z</sub> NOM	TEST CURRENT I <sub>Z</sub>	MAX ZENER IMPEDANCE		VOLTAGE REGULATION V <sub>Z</sub>	SURGE CURRENT I <sub>ZSM</sub>	MAX REVERSE LEAKAGE CURRENT VOLTAGE		TEMP. COEFF αV <sub>Z</sub>	MAX CONTINUOUS CURRENT I <sub>ZM</sub>
			Z <sub>Z</sub>	Z <sub>ZK</sub>			V <sub>R</sub>	I <sub>R1</sub>		
5W	V	mA	Ω	Ω	V	A	V	μA	% / °C	mA
1N4954	6.8	175	1	1,000	.7	29.3	5.2	150	.05	700
1N4955	7.5	175	1.5	800	.7	26.4	5.7	100	.06	630
1N4956	8.2	150	1.5	600	.7	24	6.2	50	.06	580
1N4957	9.1	150	2	400	.7	22	6.9	25	.06	520
1N4958	10	125	2	125	.8	20	7.6	25	.07	475
1N4959	11	125	2.5	130	.8	19	8.4	10	.07	430
1N4960	12	100	2.5	140	.8	18	9.1	10	.07	395
1N4961	13	100	3	145	.9	16	9.9	10	.08	365
1N4962	15	75	3.5	150	1.0	12	11.4	5	.08	315
1N4963	16	75	3.5	155	1.1	10	12.2	5	.08	294
1N4964	18	65	4	160	1.2	9.0	13.7	5	.085	264
1N4965	20	65	4.5	165	1.5	8.0	15.2	2	.085	237
1N4966	22	50	5	170	1.8	7.0	16.7	2	.085	216
1N4967	24	50	5	175	2.0	6.5	18.2	2	.09	198
1N4968	27	50	6	180	2.0	6.0	20.6	2	.09	176
1N4969	30	40	8	190	2.5	5.5	22.8	2	.09	158
1N4970	33	40	10	200	2.8	5.0	25.1	2	.095	144
1N4971	36	30	11	220	3.0	4.5	27.4	2	.095	132
1N4972	39	30	14	230	3.0	4.0	29.7	2	.095	122
1N4973	43	30	20	240	3.3	3.5	32.7	2	.095	110
1N4974	47	25	25	250	3.5	3.2	35.8	2	.095	100
1N4975	51	25	27	270	4.0	3.0	38.8	2	.095	92
1N4976	56	20	35	320	4.4	2.8	42.6	2	.095	84
1N4977	62	20	42	400	5.0	2.5	47.1	2	.100	76
1N4978	68	20	50	500	5.5	2.2	51.7	2	.100	70
1N4979	75	20	55	620	6.0	2.0	56	2	.100	63
1N4980	82	15	80	720	6.6	1.8	62.2	2	.100	58.0
1N4981	91	15	90	760	7.5	1.6	69.2	2	.100	52.5
1N4982	100	12	110	800	8.0	1.4	76.0	2	.100	47.5
1N4983	110	12	125	1,000	9.0	1.2	83.6	2	.100	43.0
1N4984	120	10	170	1,150	10	1.0	91.2	2	.100	39.5
1N4985	130	10	190	1,250	11	.8	98.8	2	.105	36.6
1N4986	150	8	330	1,500	13	.75	114.0	2	.105	31.6
1N4987	160	8	350	1,650	14	.70	121.6	2	.105	29.4
1N4988	180	5	450	1,750	16	.60	136.8	2	.110	26.4
1N4989	200	5	500	1,850	18	.50	152.0	2	.110	23.6
1N4990	220	5	550	2,000	19	.50	167	2	.115	21.6
1N4991	240	5	650	2,050	22	.40	182	2	.115	19.8
1N4992	270	5	800	2,100	25	.35	206	2	.120	17.5

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TECHNICAL DATA

**PACKAGE DIMENSIONS** in millimeters (inches): **SOD-57**

