

5 Watt Silicon Voltage Regulator (Zeners) (3.3 to 390 Volts)

SERIES TYPE	V _Z NOM	V _Z MIN	V _Z MA X	I _Z T _A =+25°C TEST CURRENT	Z _Z IMPED- ANCE	Z _K KNEE IMPEDANCE	I _Z MAX DC CURRENT T _A = 25°C	V _Z (REG) VOLTAGE REGULATION	I _{ZSM} T _A =25°C	V _R REVERSE VOLTAGE	I _{R1} REVERSE CURRENT	αV _Z TEMP.COEF- FICIENT	I _{R2} REVERSE CURRENT DC T _A =150°C	I _{ZK} TEST CURRENT
5W	V	V	V	mA	Ω	Ω	mA	V	A	V	μA	% /°C	μA	mA
1N4958	10	9.50	10.50	125	2	125	475	.8	20	7.6	25	.07	200	1.0
1N4959	11	10.45	11.55	125	2.5	130	430	.8	19	8.4	10	.07	150	1.0
1N4960	12	11.40	12.60	100	2.5	140	395	.8	18	9.1	10	.07	150	1.0
1N4961	13	12.35	13.65	100	3	145	365	.9	16	9.9	10	.08	150	1.0
1N4962	15	14.25	15.75	75	3.5	150	315	1.0	12	11.4	5.0	.08	100	1.0
1N4963	16	15.20	16.80	75	3.5	155	294	1.1	10	12.2	5.0	.08	100	1.0
1N4964	18	17.10	18.90	65	4	160	264	1.2	9.0	13.7	5.0	.085	100	1.0
1N4965	20	19.0	21.0	65	4.5	165	237	1.5	8.0	15.2	2	.085	100	1.0
1N4966	22	20.9	23.1	50	5	170	216	1.8	7.0	16.7	2	.085	100	1.0

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5W	V	V	V	mA	Ω	Ω	mA	V	A	V	μA	% /°C	μA	mA
1N4967	24	22.8	25.2	50	5	175	198	2.0	6.5	18.2	2	.09	100	1.0
1N4968	27	25.7	28.3	50	6	180	176	2.0	6.0	20.6	2	.09	100	1.0
1N4969	30	28.5	31.5	40	8	190	158	2.5	5.5	22.8	2	.09	100	1.0
1N4970	33	31.4	34.6	40	10	200	144	2.8	5.0	25.1	2	.095	100	1.0
1N4971	36	34.2	37.8	30	11	220	132	3.0	4.5	27.4	2	.095	100	1.0
1N4972	39	37.1	40.9	30	14	230	122	3.0	4.0	29.7	2	.095	100	1.0
1N4973	43	40.9	45.1	30	20	240	110	3.3	3.5	32.7	2	.095	100	1.0
1N4974	47	44.7	49.3	25	25	250	100	3.5	3.2	35.8	2	.095	100	1.0
1N4975	51	48.5	53.5	25	27	270	92	4.0	3.0	38.8	2	.095	100	1.0
1N4976	56	53.2	58.8	20	35	320	84	4.4	2.8	42.6	2	.095	100	1.0
1N4977	62	58.9	65.1	20	42	400	76	5.0	2.5	47.1	2	.100	100	1.0
1N4978	68	64.6	71.4	20	50	500	70	5.5	2.2	51.7	2	.100	100	1.0
1N4979	75	71.3	78.7	20	55	620	63	6.0	2.0	56	2	.100	100	1.0
1N4980	82	77.9	86.1	15	80	720	58	6.6	1.8	62.2	2	.100	100	1.0
1N4981	91	86.5	95.5	15	90	760	52.5	7.5	1.6	69.2	2	.100	100	1.0
1N4982	100	95.0	105	12	110	800	47.5	8.0	1.4	76.0	2	.100	100	1.0
1N4983	110	104.5	115.5	12	125	1,000	43	9.0	1.2	83.6	2	.100	100	1.0
1N4984	120	114	126	10	170	1,150	39.5	10	1.0	91.2	2	.100	100	1.0
1N4985	130	123.5	136.5	10	190	1,250	36.6	11	.8	98.8	2	.105	100	1.0
1N4986	150	142.5	157.5	8	330	1,500	31.6	13	.75	114.0	2	.105	100	1.0
1N4987	160	152	168	8	350	1,650	29.4	14	.70	121.6	2	.105	100	1.0
1N4988	180	171	189	5	450	1,750	26.4	16	.60	136.8	2	.110	100	1.0
1N4989	200	190	210	5	500	1,850	23.6	18	.50	152.0	2	.110	100	1.0