

ZENER DIODES

1N5225 Series 500 mW Glass Zener Diodes in DO-35 Package ($T_A = 25\text{ }^\circ\text{C}$)

Using the type designations **ZMM5225**, **ZMM5226** and so on, these Zener diodes are available in the MiniMELF package with the same electrical characteristics.

Type	Nominal Zener Voltage V_Z at I_{ZT} *	Test Current I_{ZT}	Maximum Zener Impedance		Typical Temperature Coefficient	Maximum Reverse Leakage Current		Maximum Regulator Current I_{ZM}	
			Z_{ZT} at I_{ZT}	Z_{ZK} at $I_{ZK} = 0.25\text{ mA}$		I_R	Test-Voltage Suffix A		Suffix B
	Volts	mA	Ohms	Ohms	%/ $^\circ\text{C}$	μA	Volts	Volts	mA
1N5225	3.0	20	29	1600	-0.075	50	0.95	1.0	152
1N5226	3.3	20	28	1600	-0.070	25	0.95	1.0	138
1N5227	3.6	20	24	1700	-0.065	15	0.95	1.0	126
1N5228	3.9	20	23	1900	-0.060	10	0.95	1.0	115
1N5229	4.3	20	22	2000	-0.055	5	0.95	1.0	106
1N5230	4.7	20	19	1900	± 0.030	5	1.9	2.0	97
1N5231	5.1	20	17	1600	± 0.030	5	1.9	2.0	89
1N5232	5.6	20	11	1600	+0.038	5	2.9	3.0	81
1N5233	6.0	20	7	1600	+0.038	5	3.3	3.5	76
1N5234	6.2	20	7	1000	+0.045	5	3.8	4.0	73
1N5235	6.8	20	5	750	+0.050	3	4.8	5.0	67
1N5236	7.5	20	6	500	+0.058	3	5.7	6.0	61
1N5237	8.2	20	8	500	+0.062	3	6.2	6.5	55
1N5238	8.7	20	8	600	+0.065	3	6.2	6.5	52
1N5239	9.1	20	10	600	+0.068	3	6.7	7.0	50
1N5240	10	20	17	600	+0.075	3	7.6	8.0	45
1N5241	11	20	22	600	+0.076	2	8.0	8.4	41
1N5242	12	20	30	600	+0.077	1	8.7	9.1	38
1N5243	13	9.5	13	600	+0.079	0.5	9.4	9.9	35
1N5244	14	9.0	15	600	+0.082	0.1	9.5	10	32
1N5245	15	8.5	16	600	+0.082	0.1	10.5	11	30
1N5246	16	7.8	17	600	+0.083	0.1	11.4	12	28
1N5247	17	7.4	19	600	+0.084	0.1	12.4	13	27
1N5248	18	7.0	21	600	+0.085	0.1	13.3	14	25
1N5249	19	6.6	23	600	+0.086	0.1	13.3	14	24
1N5250	20	6.2	25	600	+0.086	0.1	14.3	15	23
1N5251	22	5.6	29	600	+0.087	0.1	16.2	17	21
1N5252	24	5.2	33	600	+0.087	0.1	17.1	18	19.1
1N5253	25	5.0	35	600	+0.089	0.1	18.1	19	18.2
1N5254	27	4.6	41	600	+0.090	0.1	20	21	16.8
1N5255	28	4.5	44	600	+0.091	0.1	20	21	16.2
1N5256	30	4.2	49	600	+0.091	0.1	22	23	15.1
1N5257	33	3.8	58	700	+0.092	0.1	24	25	13.8
1N5258	36	3.4	70	700	+0.093	0.1	26	27	12.6
1N5259	39	3.2	80	800	+0.094	0.1	29	30	11.6
1N5260	43	3.0	93	900	+0.095	0.1	31	33	10.6
1N5261	47	2.7	105	1000	+0.095	0.1	34	36	9.7
1N5262	51	2.5	125	1100	+0.096	0.1	37	39	8.9

Standard Voltage Tolerance is $\pm 20\%$. Add Suffix "A" for $\pm 10\%$ Tolerance and Suffix "B" for $\pm 5\%$ Tolerance. Other Tolerances, Non-Standard and Higher Zener Voltages Upon Request.

* Measured under thermal equilibrium and DC test conditions.