

T-11-11

ZENER DIODES

1N5225 Series 500 mW Glass Zener Diodes in DO-35 Package ($T_A = 25^\circ\text{C}$) Replaces 1N746 and 1N957 Series (See Note)

Using the type designations ZMM5225, ZMM5226 and so on, these Zener diodes are available in the MiniMELF package with the same electrical characteristics. Also available in DO-34 Package.

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

Standard Voltage Tolerance is $\pm 5\%$.

*Measured under thermal equilibrium and DC test conditions.

Note: 1N746 and 1N957 Series are 400 mW Glass Zener Diodes.