



3459325 FAGOR ELECTRONICS

1N4728 1N4752

98D 00203 D

T-11-13

1 W Zener Diodes

<p>Dimensions in mm. (inches) DO-41 (Glass)</p> <p>Mounting instructions</p> <ol style="list-style-type: none"> 1. Min. distance from body to soldering point, 4 mm. 2. Max. solder temperature, 300°C. 3. Max. soldering time, 3,5 sec. 4. Do not bend lead at a point closer than 2 mm. to the body. 	<p>Voltage 3.3 to 33 V.</p> <p>Power 1.0 W</p> <p>Standard Voltage Tolerance is $\pm 10\%$ Add Suffix "A" for $\pm 5\%$ Tolerance.</p> <ul style="list-style-type: none"> • Low cost • DO-41 Glass case • Terminals: Axial Leads • Polarity: Color band denotes cathode
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Maximum Ratings, according to IEC publication No. 134

P_{tot}	Power dissipation at $T_{amb} = 25^\circ C$	1 W
T_j	Max. operating temperature	175°C
T_{stg}	Storage temperature range	- 65°C to + 175°C

Electrical Characteristics at $T_{amb} = 25^\circ C$

V_F	Max. forward voltage drop at $I_F = 200\text{ mA}$	1,1 V
R_{thj-a}	Max. thermal resistance at: 10 mm. lead length	0,10°C/mW



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Type	Nominal Zener Voltage V_z at I_{zT}	Test Current I_{zT}	Maximum Zener Impedance			Maximum Reverse Leakage Current		Max. Surge Current 8.3ms I_{zS}	Maximum Regulator Current I_{zR}
			Z_{zT} at I_{zT}	Z_{zX} at I_{zX}	I_{zX}	I_R	at V_R		
			(V)	(mA)	(Ω)	(Ω)	(mA)		
1N4728	3.3	76	10	400	1.0	100	1	1375	276
1N4729	3.6	69	10	400	1.0	100	1	1260	252
1N4730	3.9	64	9	400	1.0	50	1	1190	234
1N4731	4.3	58	9	400	1.0	10	1	1070	217
1N4732	4.7	53	8	500	1.0	10	1	970	193
1N4733	5.1	49	7	550	1.0	10	1	890	178
1N4734	5.6	45	5	600	1.0	10	2	810	162
1N4735	6.2	41	2	700	1.0	10	3	730	146
1N4736	6.8	37	3.5	700	1.0	10	4	660	133
1N4737	7.5	34	4	700	0.5	10	5	605	121
1N4738	8.2	31	4.5	700	0.5	10	6	550	110
1N4739	9.1	28	5	700	0.5	10	7	500	100
1N4740	10	25	7	700	0.25	10	7.6	454	91
1N4741	11	23	8	700	0.25	5	8.4	414	83
1N4742	12	21	9	700	0.25	5	9.1	380	76
1N4743	13	19	10	700	0.25	5	9.9	344	69
1N4744	15	17	14	700	0.25	5	11.4	304	61
1N4745	16	15.5	16	700	0.25	5	12.2	285	57
1N4746	18	14	20	750	0.25	5	13.7	250	50
1N4747	20	12.5	22	750	0.25	5	15.2	225	45
1N4748	22	11.5	23	750	0.25	5	16.7	205	41
1N4749	24	10.5	25	750	0.25	5	18.2	190	38
1N4750	27	9.5	35	750	0.25	5	20.6	170	34
1N4751	30	8.5	40	1000	0.25	5	22.8	150	30
1N4752	33	7.5	45	1000	0.25	5	25.1	135	27



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Characteristic Curves

