

## Axial Lead Zener Diodes

**(Pb)** Lead(Pb)-Free

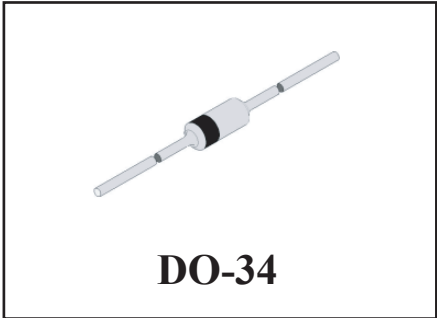
### Features:

- \* High reliability
- \* Very sharp reverse characteristic
- \* Low reverse current level

### Applications:

- \* Voltage Stabilization

**SMALL SIGNAL  
ZENER DIODES  
0.5WATTS**

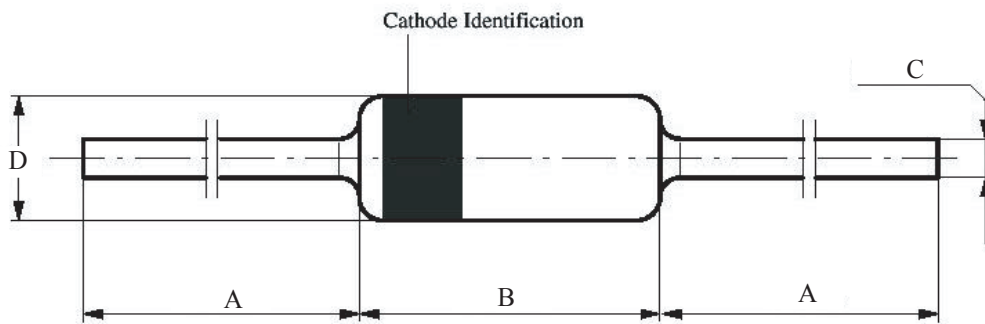


### Mechanical Data:

- \* Case : DO-34 Glass Case
- \* Weight : Approx 0.09 gram

## DO-34 Outline Dimensions

Unit:mm



DIM	A		B		C		D	
	Min	Max	Min	Max	Min	Max	Min	Max
DO-34	29±1	-	-	2.7±0.3	-	0.4±0.1	-	1.8±0.2

TA=25°C, P=500mW

Part No	Voltage	VZ(V) Zener Voltage				I <sub>Z</sub> (mA)	Z <sub>Z</sub> (Ω) Max	I <sub>Z</sub> (mA)	Z <sub>ZK</sub> (Ω) Max	I <sub>Z</sub> (mA)	I <sub>R</sub> (uA) Max	V <sub>R</sub> (V)
		Thin suffix										
		A	B	C	D							
MTZJ	2.0	1.88-2.10	2.02-2.20								0.5	
	2.2	2.12-2.30	2.22-2.41							120	0.7	
	2.4	2.33-2.52	2.43-2.63						0.5		1.0	
	2.7	2.54-2.75	2.69-2.91							100	1.0	
	3.0	2.85-3.07	3.01-3.22						1000	50	1.0	
	3.3	3.16-3.38	3.32-3.53							20	1.0	
	3.6	3.455-3.695	3.60-3.845							10	1.0	
	3.9	3.740-4.010	3.89-4.16							1	1.0	
	4.3	4.04-4.29	4.17-4.43	4.30-4.57							1.0	
	4.7	4.44-4.68	4.55-4.80	4.68-4.93					900	5	1.0	
	5.1	4.81-5.07	4.94-5.20	5.09-5.37					1200		1.5	
	5.6	5.28-5.55	5.45-5.73	5.61-5.91					900		2.5	
	6.2	5.78-6.09	5.96-6.27	6.12-6.44					500		3	
	6.8	6.29-6.63	6.49-6.83	6.66-7.01					150	2	3.5	
	7.5	6.85-7.22	7.07-7.45	7.29-7.67					120		4	
	8.2	7.53-7.92	7.78-8.19	8.03-8.45					120	0.5	5	
	9.1	8.29-8.73	8.57-9.01	8.83-9.30					120	0.5	6	
	10	9.12-9.59	9.41-9.90	9.70-10.20	9.94-10.44	5	20	5	120		7	
	11	10.18-10.71	10.50-11.05	10.82-11.38					120		8	
	12	11.13-11.71	11.44-12.03	11.74-12.35					110		9	
	13	12.11-12.75	12.55-13.21	12.99-13.66					110		10	
	15	13.44-14.13	13.89-14.62	14.35-15.09					110		11	
	16	14.80-15.57	15.25-16.04	15.69-16.51					150		12	
	18	16.22-17.06	16.82-17.70	17.42-18.33					150		13	
	20	18.02-18.96	18.63-19.59	19.23-20.22	19.72-20.72				200	15	15	
	22	20.15-21.20	20.64-21.71	21.08-22.17	21.52-22.63				200	17	17	
	24	22.05-23.18	22.61-23.77	23.12-24.31	23.63-24.85				200	19	0.2	
	27	24.26-25.52	24.97-26.26	25.63-26.95	26.29-27.64				250	21	21	
	30	26.99-28.39	27.70-29.13	28.36-29.82	29.02-30.51				250	23	23	
	33	29.68-31.22	30.32-31.88	30.90-32.50	31.49-33.11				250	25	25	
	36	32.14-33.79	32.79-34.49	33.40-35.13	34.01-35.77				250	27	27	
	39	34.68-36.47	35.36-37.19	36.00-37.85	36.63-38.52				250	30	30	
39E		37.36-39.29						250	30	30		
39F		38.14-40.11						250	30	30		
39G		38.94-40.80						250	30	30		
43		40.00-45.00						-	33	33		
47		44.00-49.00						-	36	36		
51		48.00-54.00						-	39	39		
56		53.00-60.00						-	43	43		

## Characteristic Curves

