

Axial Lead Zener Diodes

(Pb) Lead(Pb)-Free

Features:

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

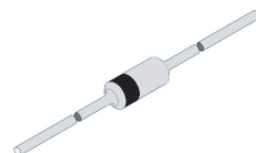
Applications:

- * Voltage Stabilization

Mechanical Data:

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

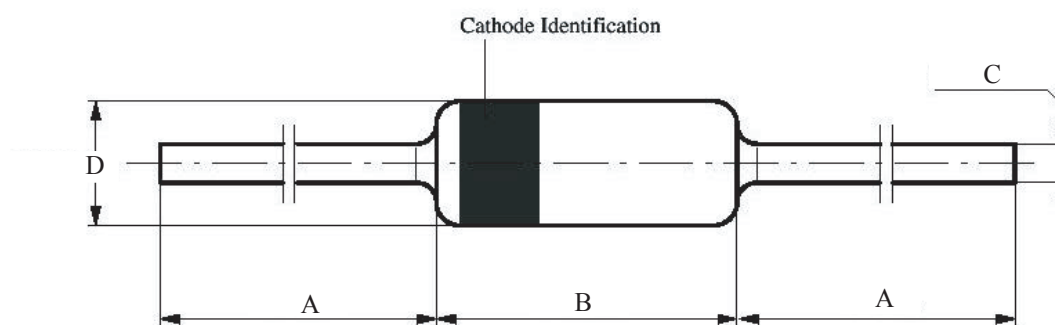
**SMALL SIGNAL
ZENER DIODES
0.5WATTS**



DO-34

DO-34 Outline Dimensions

Unit:mm



	A		B		C		D	
DIM	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										
		Thin suffix				I _Z (mA)	Z _Z (Ω) Max	I _Z (mA)	Z _{ZK} (Ω) Max	I _Z (mA)	I _R (uA) Max	V _R (V)
		A	B	C	D							
MTZJ	2.0	1.88-2.10	2.02-2.20				100					0.5
	2.2	2.12-2.30	2.22-2.41				100				120	0.7
	2.4	2.33-2.52	2.43-2.63				100			0.5		1.0
	2.7	2.54-2.75	2.69-2.91				110				100	1.0
	3.0	2.85-3.07	3.01-3.22				120		1000		50	1.0
	3.3	3.16-3.38	3.32-3.53				120				20	1.0
	3.6	3.455-3.695	3.60-3.845				100				10	1.0
	3.9	3.740-4.010	3.89-4.16				100			1		1.0
	4.3	4.04-4.29	4.17-4.43	4.30-4.57			100					1.0
	4.7	4.44-4.68	4.55-4.80	4.68-4.93			80		900		5	1.0
	5.1	4.81-5.07	4.94-5.20	5.09-5.37			70		1200			1.5
	5.6	5.28-5.55	5.45-5.73	5.61-5.91			40		900			2.5
	6.2	5.78-6.09	5.96-6.27	6.12-6.44			30		500			3
	6.8	6.29-6.63	6.49-6.83	6.66-7.01			20		150		2	3.5
	7.5	6.85-7.22	7.07-7.45	7.29-7.67			20		120			4
	8.2	7.53-7.92	7.78-8.19	8.03-8.45			20		120		0.5	5
	9.1	8.29-8.73	8.57-9.01	8.83-9.30			20		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			20		120			8
	12	11.13-11.71	11.44-12.03	11.74-12.35			25		110			9
	13	12.11-12.75	12.55-13.21	12.99-13.66			25		110			10
	15	13.44-14.13	13.89-14.62	14.35-15.09			25		110			11
	16	14.80-15.57	15.25-16.04	15.69-16.51			25		150			12
	18	16.22-17.06	16.82-17.70	17.42-18.33			30		150			13
	20	18.02-18.96	18.63-19.59	19.23-20.22	19.72-20.72		30		200	15		15
	22	20.15-21.20	20.64-21.71	21.08-22.17	21.52-22.63		30		200	17		17
	24	22.05-23.18	22.61-23.77	23.12-24.31	23.63-24.85		35		200	19	0.2	19
	27	24.26-25.52	24.97-26.26	25.63-26.95	26.29-27.64		45		250	21		21
	30	26.99-28.39	27.70-29.13	28.36-29.82	29.02-30.51		55		250	23		23
	33	29.68-31.22	30.32-31.88	30.90-32.50	31.49-33.11		65		250	25		25
	36	32.14-33.79	32.79-34.49	33.40-35.13	34.01-35.77		75		250	27		27
	39	34.68-36.47	35.36-37.19	36.00-37.85	36.63-38.52		85		250	30		30
	39E	37.36-39.29						85		250	30	
39F	38.14-40.11						85		250	30		30
39G	38.94-40.80						85		250	30		30
43	40.00-45.00						90		-	33		33
47	44.00-49.00						90		-	36		36
51	48.00-54.00						110		-	39		39
56	53.00-60.00						110		-	43		43

Characteristic Curves

