

Zener Diodes

MTZ series ($I_z=20,10\text{mA}$) and MTZJ series ($I_z=5\text{mA}$) are in DO-34 package and IN5000, IN900 and IN700 serieses are in DO-35 package. MTZJ series ranges from 2.0 to 56V.

ITZ series contains 8 elements in a single 9-pin package, suitable for use as 8-bit data bus line surge absorption.

Series	Package	P (mW)	Voltage range (V)	Features
MTZ Series	DO-34	500	2.0~20	Taken at $I_z=20, 10\text{mA}$
MTZ J Series	DO-34	500	2.0~56	Taken at $I_z=5\text{mA}$
ITZP Series	DO-41	1000	2.0~43	P=1W, DO-41
ITZ5.6H	SIP 9 pin	400	5.28~5.91	Cathode common, Contains 8 devices
IN5000 Series	DO-35	500	4.7~24	JEDEC Standard
IN900 Series	DO-35	400	6.8~24	JEDEC Standard
IN700 Series	DO-35	400	3.3~12	JEDEC Standard

●MTZ Series (P=500mW Package : DO-34)

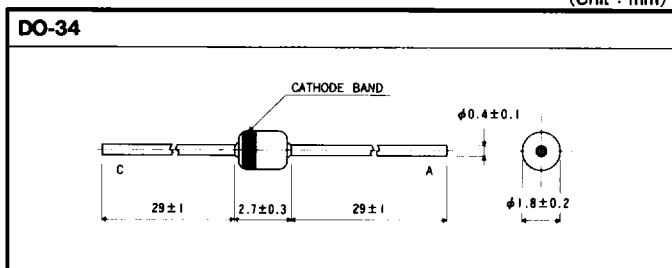
Series Prefix	Nominal Zener voltage	Vz (V)					Iz (mA)	Zz (Ω) Max.	Iz (mA)	Zzk (Ω) Max.	Iz (mA)	IR (μA) Max.	VR (V)
		Ranking											
		A	B	C	D								
MTZ	2.0	1.880~2.100	2.020~2.200	—	—	20	140	20	2000	1	120	0.5	
MTZ	2.2	2.120~2.300	2.220~2.410	—	—	20	120	20	2000	1	120	0.7	
MTZ	2.4	2.330~2.520	2.430~2.630	—	—	20	100	20	2000	1	120	1.0	
MTZ	2.7	2.540~2.750	2.680~2.910	—	—	20	100	20	1000	1	100	1.0	
MTZ	3.0	2.850~3.070	3.010~3.220	—	—	20	80	20	1000	1	50	1.0	
MTZ	3.3	3.160~3.380	3.320~3.530	—	—	20	70	20	1000	1	20	1.0	
MTZ	3.6	3.455~3.695	3.600~3.845	—	—	20	60	20	1000	1	10	1.0	
MTZ	3.9	3.74~4.01	3.89~4.16	—	—	20	50	20	1000	1	5	1.0	
MTZ	4.3	4.04~4.29	4.17~4.43	4.30~4.57	—	20	40	20	1000	1	5	1.0	
MTZ	4.7	4.44~4.68	4.55~4.80	4.68~4.93	—	20	25	20	900	1	5	1.0	
MTZ	5.1	4.81~5.07	4.94~5.20	5.09~5.37	—	20	20	20	800	1	5	1.5	
MTZ	5.6	5.28~5.55	5.45~5.73	5.61~5.91	—	20	13	20	500	1	5	2.5	
MTZ	6.2	5.78~6.09	5.96~6.27	6.12~6.44	—	20	10	20	300	1	5	3.0	
MTZ	6.8	6.29~6.63	6.49~6.83	6.66~7.01	—	20	8	20	150	0.5	2	3.5	
MTZ	7.5	6.85~7.22	7.07~7.45	7.29~7.67	—	20	8	20	120	0.5	0.5	4.0	
MTZ	8.2	7.53~7.92	7.78~8.19	8.03~8.45	—	20	8	20	120	0.5	0.5	5.0	
MTZ	9.1	8.29~8.73	8.57~9.01	8.83~9.30	—	20	8	20	120	0.5	0.5	6.0	
MTZ	10	9.12~9.59	9.41~9.90	9.70~10.20	9.94~10.44	20	8	20	120	0.5	0.2	7.0	
MTZ	11	10.18~10.71	10.50~11.05	10.82~11.38	—	10	10	10	120	0.5	0.2	8.0	
MTZ	12	11.13~11.71	11.44~12.03	11.74~12.35	—	10	12	10	110	0.5	0.2	9.0	
MTZ	13	12.11~12.75	12.55~13.21	12.99~13.66	—	10	14	10	110	0.5	0.2	10	
MTZ	15	13.44~14.13	13.89~14.62	14.35~15.09	—	10	16	10	110	0.5	0.2	11	
MTZ	16	14.80~15.57	15.25~16.04	15.69~16.51	—	10	18	10	150	0.5	0.2	12	
MTZ	18	16.22~17.06	16.82~17.70	17.42~18.33	—	10	23	10	150	0.5	0.2	13	
MTZ	20	18.02~18.96	18.63~19.59	19.23~20.22	19.72~20.72	10	28	10	200	0.5	0.2	15	

Notes : 1. Zener Voltage (V_Z) is measured 40ms after applying in current.

2. When ordering, specify the rank of the diodes. Otherwise, the diodes of rank A, B or C are supplied.

3. Use MTZJ series for application at 22V and over.

(Unit : mm)



●Product Designation

- When ordering, specify the type.
- Check each code against the tables shown below.
- Fill a space with the next character.

