

## Zener Voltage Quick Reference Table

### ■ Zener Diodes

Application • Series Zener Voltage $V_Z$ (V)	General-Purpose			
	MAZ2000 Series * ( $P_D = 1$ W) (DO-41-A1)	MAZ3000 Series * ( $P_D = 200$ mW) (Mini3-G1)	MAZ4000 Series * ( $P_D = 370$ mW) (DO-34-A2)	MAZ7000 Series * ( $P_D = 800$ mW) (DO-41-A2)
1.88 to 2.24			MAZ4020 (MA4020)	
2.08 to 2.45			MAZ4022 (MA4022)	
2.28 to 2.70		MAZ3024 (MA3024)	MAZ4024 (MA4024)	
2.50 to 2.90		MAZ3027 (MA3027)	MAZ4027 (MA4027)	
2.80 to 3.20		MAZ3030 (MA3030)	MAZ4030 (MA4030)	
3.10 to 3.50		MAZ3033 (MA3033)	MAZ4033 (MA4033)	
3.40 to 3.80		MAZ3036 (MA3036)	MAZ4036 (MA4036)	
3.70 to 4.10		MAZ3039 (MA3039)	MAZ4039 (MA4039)	
4.00 to 4.60		MAZ3043 (MA3043)	MAZ4043 (MA4043)	
4.40 to 5.00		MAZ3047 (MA3047)	MAZ4047 (MA4047)	
4.80 to 5.40	MAZ2051 (MA2051)	MAZ3051 (MA3051)	MAZ4051 (MA4051)	MAZ7051 (MA7051)
5.30 to 6.00	MAZ2056 (MA2056)	MAZ3056 (MA3056)	MAZ4056 (MA4056)	MAZ7056 (MA7056)
5.80 to 6.60	MAZ2062 (MA2062)	MAZ3062 (MA3062)	MAZ4062 (MA4062)	MAZ7062 (MA7062)
6.40 to 7.20	MAZ2068 (MA2068)	MAZ3068 (MA3068)	MAZ4068 (MA4068)	MAZ7068 (MA7068)
7.00 to 7.90	MAZ2075 (MA2075)	MAZ3075 (MA3075)	MAZ4075 (MA4075)	MAZ7075 (MA7075)
7.70 to 8.70	MAZ2082 (MA2082)	MAZ3082 (MA3082)	MAZ4082 (MA4082)	MAZ7082 (MA7082)
8.50 to 9.60	MAZ2091 (MA2091)	MAZ3091 (MA3091)	MAZ4091 (MA4091)	MAZ7091 (MA7091)
9.40 to 10.60	MAZ2100 (MA2100)	MAZ3100 (MA3100)	MAZ4100 (MA4100)	MAZ7100 (MA7100)
10.40 to 11.60	MAZ2110 (MA2110)	MAZ3110 (MA3110)	MAZ4110 (MA4110)	MAZ7110 (MA7110)
11.40 to 12.70	MAZ2120 (MA2120)	MAZ3120 (MA3120)	MAZ4120 (MA4120)	MAZ7120 (MA7120)
12.40 to 14.10	MAZ2130 (MA2130)	MAZ3130 (MA3130)	MAZ4130 (MA4130)	MAZ7130 (MA7130)
13.65 to 14.35		MAZ3140 (MA3140)	MAZ4140 (MA4140)	
13.90 to 15.60	MAZ2150 (MA2150)	MAZ3150 (MA3150)	MAZ4150 (MA4150)	MAZ7150 (MA7150)
15.30 to 17.10	MAZ2160 (MA2160)	MAZ3160 (MA3160)	MAZ4160 (MA4160)	MAZ7160 (MA7160)
16.90 to 19.10	MAZ2180 (MA2180)	MAZ3180 (MA3180)	MAZ4180 (MA4180)	MAZ7180 (MA7180)
18.80 to 21.20	MAZ2200 (MA2200)	MAZ3200 (MA3200)	MAZ4200 (MA4200)	MAZ7200 (MA7200)
20.80 to 23.30	MAZ2220 (MA2220)	MAZ3220 (MA3220)	MAZ4220 (MA4220)	MAZ7220 (MA7220)
22.50 to 25.60	MAZ2240 (MA2240)	MAZ3240 (MA3240)	MAZ4240 (MA4240)	MAZ7240 (MA7240)
25.10 to 28.90	MAZ2270 (MA2270)	MAZ3270 (MA3270)	MAZ4270 (MA4270)	MAZ7270 (MA7270)
28.00 to 32.00	MAZ2300 (MA2300)	MAZ3300 (MA3300)	MAZ4300 (MA4300)	MAZ7300 (MA7300)
31.00 to 35.00	MAZ2330 (MA2330)	MAZ3330 (MA3330)	MAZ4330 (MA4330)	MAZ7330 (MA7330)
34.00 to 38.00	MAZ2360 (MA2360)	MAZ3360 (MA3360)	MAZ4360 (MA4360)	MAZ7360 (MA7360)
37.00 to 41.00	MAZ2390 (MA2390)		MAZ4390 (MA4390)	MAZ7390 (MA7390)
40.00 to 46.00	MAZ2430 (MA2430)			MAZ7430 (MA7430)
44.00 to 50.00	MAZ2470 (MA2470)			MAZ7470 (MA7470)
48.00 to 54.00	MAZ2510 (MA2510)			MAZ7510 (MA7510)
52.00 to 60.00	MAZ2560 (MA2560)			MAZ7560 (MA7560)

Note) part numbers show the Matsushita unified part numbers. And the part numbers in parentheses show the conventional ones.

\*: Rank compatible

## ■ Zener Diodes(continued)

Application • Series Zener Voltage $V_Z$ (V)	Low Noise			Surge Absorption
	MAZ4000N Series * ( $P_D = 370$ mW) DO-34-A2	MAZ8000 Series * ( $P_D = 150$ mW) SMini2-F1	MAZS000 Series * ( $P_D = 150$ mW) SSMini2-F1	MAZY000 Series ( $P_D = 1$ W) NMiniP2-J1
2.28 to 2.70		MAZ8024 (MA8024)	MAZS024	
2.50 to 2.90		MAZ8027 (MA8027)	MAZS027	
2.80 to 3.20		MAZ8030 (MA8030)	MAZS030	
3.10 to 3.50		MAZ8033 (MA8033)	MAZS033	
3.40 to 3.80		MAZ8036 (MA8036)	MAZS036	
3.70 to 4.10		MAZ8039 (MA8039)	MAZS039	
4.00 to 4.60		MAZ8043 (MA8043)	MAZS043	
4.40 to 5.00	MAZ4047N (MA4047(N))	MAZ8047 (MA8047)	MAZS047	MAZY047 (MA1Z047)
4.80 to 5.40	MAZ4051N (MA4051(N))	MAZ8051 (MA8051)	MAZS051	MAZY051 (MA1Z051)
5.30 to 6.00	MAZ4056N (MA4056(N))	MAZ8056 (MA8056)	MAZS056	MAZY056 (MA1Z056)
5.80 to 6.60	MAZ4062N (MA4062(N))	MAZ8062 (MA8062)	MAZS062	MAZY062 (MA1Z062)
6.40 to 7.20	MAZ4068N (MA4068(N))	MAZ8068 (MA8068)	MAZS068	MAZY068 (MA1Z068)
7.00 to 7.90	MAZ4075N (MA4075(N))	MAZ8075 (MA8075)	MAZS075	MAZY075 (MA1Z075)
7.70 to 8.70	MAZ4082N (MA4082(N))	MAZ8082 (MA8082)	MAZS082	MAZY082 (MA1Z082)
8.50 to 9.60	MAZ4091N (MA4091(N))	MAZ8091 (MA8091)	MAZS091	MAZY091 (MA1Z091)
9.40 to 10.60	MAZ4100N (MA4100(N))	MAZ8100 (MA8100)	MAZS100	MAZY100 (MA1Z100)
10.40 to 11.60	MAZ4110N (MA4110(N))	MAZ8110 (MA8110)	MAZS110	MAZY110 (MA1Z110)
11.40 to 12.70	MAZ4120N (MA4120(N))	MAZ8120 (MA8120)	MAZS120	MAZY120 (MA1Z120)
12.40 to 14.10	MAZ4130N (MA4130(N))	MAZ8130 (MA8130)	MAZS130	MAZY130 (MA1Z130)
13.65 to 14.35		MAZ8140 (MA8140)	MAZS140	
13.90 to 15.60	MAZ4150N (MA4150(N))	MAZ8150 (MA8150)	MAZS150	MAZY150 (MA1Z150)
15.30 to 17.10	MAZ4160N (MA4160(N))	MAZ8160 (MA8160)	MAZS160	MAZY160 (MA1Z160)
16.90 to 19.10	MAZ4180N (MA4180(N))	MAZ8180 (MA8180)	MAZS180	MAZY180 (MA1Z180)
18.80 to 21.20	MAZ4200N (MA4200(N))	MAZ8200 (MA8200)	MAZS200	MAZY200 (MA1Z200)
20.80 to 23.30	MAZ4220N (MA4220(N))	MAZ8220 (MA8220)	MAZS220	MAZY220 (MA1Z220)
22.50 to 25.60	MAZ4240N (MA4240(N))	MAZ8240 (MA8240)	MAZS240	MAZY240 (MA1Z240)
25.10 to 28.90	MAZ4270N (MA4270(N))	MAZ8270 (MA8270)	MAZS270	MAZY270 (MA1Z270)
28.00 to 32.00	MAZ4300N (MA4300(N))	MAZ8300 (MA8300)	MAZS300	MAZY300 (MA1Z300)
31.00 to 35.00	MAZ4330N (MA4330(N))	MAZ8330 (MA8330)	MAZS330	MAZY330 (MA1Z330)
34.00 to 38.00	MAZ4360N (MA4360(N))	MAZ8360 (MA8360)	MAZS360	MAZY360 (MA1Z360)
37.00 to 41.00	MAZ4390N (MA4390(N))	MAZ8390 (MA8390)	MAZS390	MAZY390 (MA1Z390)
40.00 to 46.00				MAZY430 (MA1Z430)
44.00 to 50.00				MAZY470 (MA1Z470)
48.00 to 54.00				MAZY510 (MA1Z510)

Note) Part numbers show the Matsushita unified part numbers. And the part numbers in parentheses show the conventional ones.

※: Rank compatible

## Zener Voltage Quick Reference Table

### ■ ESD Diodes

Application • Series Zener Voltage $V_Z$ (V)	Surge Absorption			
	MAZT000H Series ( $P_D = 150$ mW) (SSMini3-F2)	MAZ9000H Series ( $P_D = 200$ mW) (Mini3-G1)	MAZL000H Series ( $P_D = 200$ mW) (Mini5-G1)	MAZZ000H Series ( $P_D = 200$ mW) (SMini5-F1)
5.80 to 6.60	MAZT062H	MAZ9062H	MAZL062H	MAZZ062H
6.40 to 7.20	MAZT068H	MAZ9068H	MAZL068H	MAZZ068H
7.00 to 7.90	—	—	—	—
7.70 to 8.70	MAZT082H	MAZ9082H	MAZL082H	MAZZ082H
8.50 to 9.60	—	—	—	—
9.40 to 10.60	MAZT100H	MAZ9100H	MAZL100H	MAZZ100H
10.40 to 11.60	—	—	—	—
11.40 to 12.70	MAZT120H	MAZ9120H	MAZL120H	MAZZ120H

### ■ ESD Diodes Low $C_t$ Series

Package Zener Voltage $V_Z$ (V)	Terminal Capacitance $C_t = 8$ pF	
	Mini3-G1	SMini3-F1
5.4 to 6.5	MAZC062D	MAZE062D