

# DIODE SERIES

## ■定電圧用ツェナーダイオード Voltage compensation zener diodes

Application	Package Code	Type No.	Ratings	Characteristics		Status
			Pd (mW)	Vz (V)	Iz (mA)	
General	DO-35	HZ series	500	1.6 - 38.0	5 - 2	○★
		HZ (Ⓢ) series	500	1.6 - 38.0	5 - 2	○★
	MHD	HZS series	400	1.6 - 38.0	5 - 2	○★
		HZS-N series	400	1.88 - 38.52	5	○★
	LLD	HZK series	500	1.9 - 38.0	5 - 2	○☆
	MPAK	HZM-N series	200	1.9 - 38.0	5 - 2	○☆
	URP	HZU series	200	1.9 - 38.0	5 - 2	○☆
Low noise	DO-35	HZ-L series	400	5.2 - 38.0	0.5	○★

Application	Package Code	Type No.	Ratings	Characteristics		Status
			Pd (mW)	Vz (V)	Iz (mA)	
Low noise	DO-35	HZ-LL series	250	1.6 - 5.3	0.5	○★
		MHD	HZS-L series	400	5.2 - 38.0	0.5
	LLD	HZS-LL series	250	1.6 - 5.3	0.5	○★
		HZK-L series	400	5.2 - 38.0	0.5	○☆
	URP	HZK-LL series	250	1.6 - 5.3	0.5	○☆
		HZU-LL series	150	1.6 - 5.3	0.5	○☆
	High power	DO-41	HZ-P series	800	1.88 - 40.0	40 - 10
LRP		HZF series	900	1.88 - 40.0	40 - 10	△☆

Series	HZUxxLL	HZxxLL	HZSxx	HZxxL	HZxx (Ⓢ)	Spec.			
		HZKxxLL		HZKxxL		HZKxx	Grade	Vz (V)	
Pd (mW)	150	250	400	500		min	max		
Classifi- cation	2	2	2	—	2	A	1.6	2.0	
						B	1.9	2.3	
						C	2.2	2.6	
	3	3	3	—	3	A	2.5	2.9	
						B	2.8	3.2	
						C	3.1	3.5	
	4	4	4	—	4	A	3.4	3.8	
						B	3.7	4.1	
						C	4.0	4.4	
	5	5	5	—	5	A	4.3	4.7	
						B	4.6	5.0	
						C	4.9	5.3	
	—	—	6	6	6	A	5.2	5.7	
						B	5.5	6.0	
						C	5.8	6.4	
	—	—	7	7	7	A	6.3	6.9	
						B	6.7	7.3	
						C	7.2	7.9	
	—	—	9	9	9	A	7.7	8.5	
						B	8.3	9.1	
						C	8.9	9.7	
	—	—	11	11	11	A	9.5	10.3	
						B	10.2	11.1	
						C	10.9	11.9	
—	—	12	12	12	A	11.6	12.7		
					B	12.4	13.4		
					C	13.2	14.3		
—	—	15	15	15	—	14.1	15.5		
					—	15.3	17.1		
					—	16.9	19.0		
—	—	18	18	18	—	18.8	21.1		
					—	20.9	23.3		
					—	22.9	25.5		
—	—	24	24	24	—	25.2	28.6		
					—	28.2	31.6		
					—	31.2	34.6		
—	—	33	33	33	—	34.2	38.0		
					—	—	—		
					—	—	—		

HZMxxN			HZSxxN			HZxxP		
HZUxx						HZFxx		
200	Spec		400	Spec		800/ 900	Spec	
	Vz (V)			Vz (V)			Vz (V)	
	min	max		min	max		min	max
2.0	1.90	2.20	2.0	1.88	2.20	2.0	1.88	2.24
2.2	2.10	2.40	2.2	2.12	2.41	2.2	2.08	2.45
2.4	2.30	2.60	2.4	2.33	2.63	2.4	2.28	2.70
2.7	2.50	2.90	2.7	2.54	2.91	2.7	2.50	3.10
3.0	2.80	3.20	3.0	2.85	3.22	3.0	2.80	3.40
3.3	3.10	3.50	3.3	3.16	3.53	3.3	3.10	3.70
3.6	3.40	3.80	3.6	3.47	3.83	3.6	3.40	4.00
3.9	3.70	4.10	3.9	3.77	4.14	3.9	3.70	4.40
4.3	4.01	4.48	4.3	4.05	4.53	4.3	4.00	4.80
4.7	4.42	4.90	4.7	4.47	4.91	4.7	4.40	5.20
5.1	4.84	5.37	5.1	4.85	5.35	5.1	4.80	5.70
5.6	5.31	5.92	5.6	5.29	5.88	5.6	5.30	6.30
6.2	5.86	6.53	6.2	5.81	6.40	6.2	5.80	7.00
6.8	6.47	7.14	6.8	6.32	6.97	6.8	6.40	7.70
7.5	7.06	7.84	7.5	6.88	7.64	7.5	7.00	8.40
8.2	7.76	8.64	8.2	7.56	8.41	8.2	7.70	9.30
9.1	8.56	9.55	9.1	8.33	9.29	9.1	8.50	10.2
10	9.45	10.55	10	9.19	10.30	10	9.40	11.2
11	10.44	11.56	11	10.18	11.26	11	10.4	12.3
12	11.42	12.60	12	11.13	12.30	12	11.4	13.5
13	12.47	13.96	13	12.18	13.62	13	12.4	15.0
15	13.84	15.52	15	13.48	15.02	15	13.8	16.5
16	15.37	17.09	16	14.87	16.50	16	15.3	18.3
18	16.94	19.03	18	16.34	18.30	18	16.8	20.3
20	18.86	21.08	20	18.14	20.45	20	18.8	22.4
22	20.88	23.17	22	20.23	22.61	22	20.8	24.5
24	22.93	25.57	24	22.26	24.81	24	22.8	27.6
27	25.10	28.90	27	24.26	27.64	27	25.1	30.8
30	28.00	32.00	30	26.99	30.51	30	28.0	34.0
33	31.00	35.00	33	29.68	33.11	33	31.0	37.0
36	34.00	38.00	36	32.14	35.77	36	34.0	40.0
			39	34.68	38.52			

ツェナーダイオードにはツェナー電圧で細分化されたグレードがあります。  
 詳細はデータブックを参照下さい。  
 Zener diodes have grades divided by zener voltage.  
 For detail see databook.