

定電圧ダイオード

ZENER DIODE (SILICON PLANER TYPE)

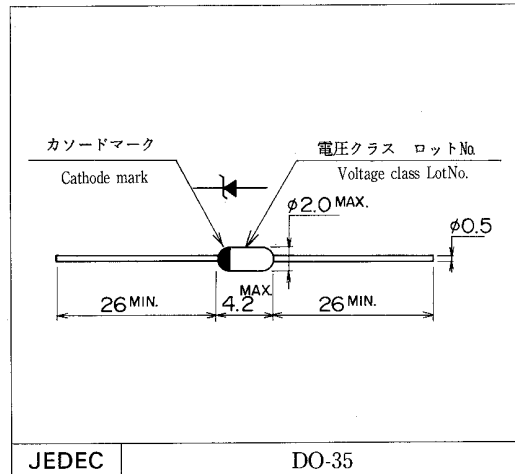
■特長：Features

- 小型 Small type
- プレーナー形チップとガラス封止(DHD)構造により信頼性が高い
High reliability, planer and DHD glass sealing
- 電圧区分が細分化されており使い易い
Zener voltage classified into fine voltage.

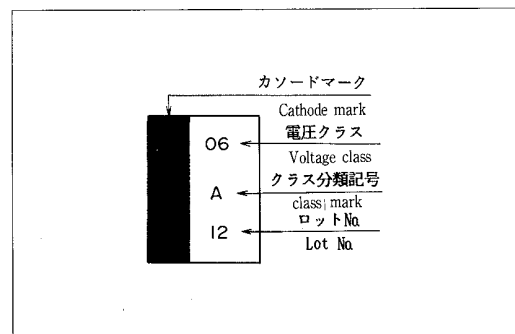
■用途：Applications

- 定電圧 Voltage regulator
- サージ吸収 Surge absorber

■外形寸法：Outline Drawings



■カソードマーク：Cathode Mark



■定格と特性：Maximum Ratings and Characteristics

●絶対最大定格：Absolute Maximum Ratings

Items	Symbols	Ratings	Units
許容損失 Allowable Power Dissipation	P_D	500	mW
接合部温度 Junction Temperature	T_j	175	°C
保存温度 Storage Temperature	T_{stg}	-65~175	°C

●電気的特性：Electrical Characteristics($T_a=25^\circ\text{C}$)

形 名 Type	4%・	ツェナー電圧		2.5%	ツェナー電圧			動作抵抗			立上り動作抵抗		飽和電流		温度係数
	電圧区分	Vz(V)		電圧区分	Vz(V)		Iz (mA) 測定電流	Rz (Ω) max.	Iz (mA) 測定電流	Rzk (Ω) max.	Izk (mA) 測定電流	Is (μA) max.	Vr (V) 測定電圧	γz (°/°C) nom.	
		min.	max.		min.	max.									
EQA02-05	AB	4.55	4.93	A	4.55	4.80	20	30	30	1500	0.5	5	1	+0.01	
				B	4.68	4.93									
	CD	4.81	5.20	C	4.81	5.07									
				D	4.94	5.20									
	EF	5.09	5.55	E	5.09	5.37									
				F	5.28	5.55									
EQA02-06	AB	5.45	5.91	A	5.45	5.73	20	20	20	1500	0.5	3	2	+0.03	
				B	5.61	5.91									
	CD	5.78	6.27	C	5.78	6.09									
				D	5.96	6.27									
	EF	6.12	6.63	E	6.12	6.44									
				F	6.29	6.63									
EQA02-07	AB	6.49	7.01	A	6.49	6.83	20	15	20	600	0.25	2	3.5	+0.04	
				B	6.66	7.01									
	CD	6.85	7.45	C	6.85	7.22									
				D	7.07	7.45									

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	電圧区分	Vz(V)		電圧区分	Vz(V)		Iz (mA) 測定電流	Rz (Ω) max.	Iz (mA) 測定電流	Rzk (Ω) max.	Izk (mA) 測定電流	Is (μA) max.	Vr (V) 測定電圧	γz (%/°C) nom.
		min.	max.		min.	max.								
EQA02-08	AB	7.29	7.92	A	7.29	7.67	20	10	20	500	0.25	1	4	+0.05
				B	7.53	7.92								
	CD	7.78	8.45	C	7.78	8.19								
				D	8.03	8.45								
EQA02-09	AB	8.29	9.01	A	8.29	8.73	20	10	20	500	0.25	1	5	+0.055
				B	8.57	9.01								
	CD	8.83	9.59	C	8.83	9.30								
				D	9.12	9.59								
EQA02-10	AB	9.41	10.20	A	9.41	9.90	20	10	20	500	0.25	1	7	+0.06
				B	9.70	10.20								
	CD	10.18	11.05	C	10.18	10.71								
				D	10.50	11.05								
EQA02-11	AB	10.82	11.71	A	10.82	11.38	10	15	10	500	0.25	1	8	+0.065
				B	11.13	11.71								
	CD	11.44	12.35	C	11.44	12.03								
				D	11.74	12.35								
EQA02-12	AB	12.11	13.21	A	12.11	12.75	10	15	10	500	0.25	1	10	+0.065
B				12.55	13.21									
EQA02-13	AB	12.99	14.13	A	12.99	13.66	10	20	10	500	0.25	1	11	+0.068
B				13.44	14.13									
EQA02-14	AB	13.89	15.09	A	13.89	14.62	10	20	10	500	0.25	1	11	+0.07
B				14.35	15.09									
EQA02-15	AB	14.80	16.04	A	14.80	15.57	10	20	10	500	0.25	1	12	+0.07
B				15.25	16.04									
EQA02-16	AB	15.69	17.06	A	15.69	16.51	10	20	10	500	0.25	1	12.5	+0.07
B				16.22	17.06									
EQA02-17	AB	16.82	18.33	A	16.82	17.70	10	25	10	500	0.25	1	13	+0.075
B				17.42	18.33									
EQA02-18	AB	18.02	19.59	A	18.02	18.96	10	30	10	500	0.25	1	14	+0.075
B				18.63	19.59									
EQA02-20	AB	19.23	21.20	A	19.23	20.22	5	40	5	500	0.25	1	16	+0.075
B				20.15	21.20									
EQA02-21	AB	20.64	22.17	A	20.64	21.71	5	40	5	500	0.25	1	17	+0.08
B				21.08	22.17									
EQA02-22	AB	21.52	23.18	A	21.52	22.63	5	40	5	500	0.25	1	18	+0.08
B				22.05	23.18									
EQA02-23	AC	22.61	24.85	A	22.61	23.77	5	45	5	500	0.25	1	19	+0.08
B				23.12	24.31									
C				23.63	24.85									
EQA02-25	AC	24.26	26.95	A	24.26	25.52	5	45	5	500	0.25	1	20	+0.08
B				24.97	26.26									
C				25.63	26.95									
EQA02-28	AC	26.29	29.13	A	26.29	27.64	5	60	5	500	0.25	1	23	+0.08
B				26.99	28.39									
C				27.70	29.13									
EQA02-30	AC	28.36	31.22	A	28.36	29.82	5	70	5	500	0.25	1	24	+0.085
B				29.02	30.51									
C				29.68	31.22									
EQA02-32	AC	30.32	33.11	A	30.32	31.88	5	80	5	500	0.25	1	27	+0.085
B				30.90	32.50									
C				31.49	33.11									
EQA02-33	AC	32.14	35.13	A	32.14	33.79	5	90	5	500	0.25	1	27	+0.085
B				32.79	34.49									
C				33.40	35.13									
EQA02-35	AC	34.01	37.19	A	34.01	35.77	5	90	5	500	0.25	1	28	+0.085
B				34.68	36.47									
C				35.36	37.19									