

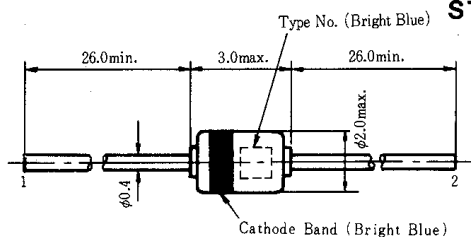
HVS-E SERIES

シリコンエピタキシャルプレーナ形

安定化電源用

SILICON EPITAXIAL PLANAR

STABILIZED POWER SUPPLY



1. カソード : Cathode
2. アノード : Anode
(Dimensions in mm)

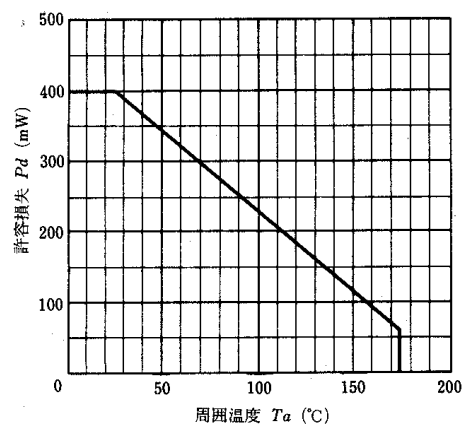
(MHD)

■絶対最大定格 ABSOLUTE MAXIMUM RATINGS ($T_a = 25^\circ\text{C}$)

項	目	Symbol	HVS-E Series	Unit
順電流		I_F	150	mA
許容損失		P_d	400	mW
接合部温度		T_j	200	$^\circ\text{C}$
保存温度		T_{stg}	$-55 \sim +175$	$^\circ\text{C}$

許容損失の周囲温度による変化

MAXIMUM POWER DISSIPATION CURVE

■電気的特性 ELECTRICAL CHARACTERISTICS ($T_a = 25^\circ\text{C}$)

Type	Zener Voltage Value Grade	$V_Z(\text{V})^*$		Condition	$Z_Z(\Omega)$	Condition	$I_R(\mu\text{A})$	Condition
		min.	max.	$I_Z(\text{mA})$	max.	$I_Z(\text{mA})$	max.	$V_R(\text{V})$
HVS 2.7E	B1	2.520	2.775	20	100	20	2	0.5
	B2	2.680	2.930				1	
HVS 3.0E	B1	2.840	3.080	20	80	20	1	0.5
	B2	2.990	3.240				1	
HVS 3.3E	B1	3.150	3.390	20	70	20	1	0.5
	B2	3.310	3.540				1	
HVS 3.6E	B1	3.455	3.695	20	60	20	1	0.5
	B2	3.600	3.845				1	
HVS 3.9E	B1	3.74	4.01	20	50	20	1	0.5
	B2	3.89	4.16				1	
HVS 4.3E	B1	4.04	4.29	20	40	20	5	1.0
	B2	4.17	4.43					
	B3	4.30	4.57					
HVS 4.7E	B1	4.44	4.68	20	25	20	5	1.0
	B2	4.55	4.80					
	B3	4.68	4.93					
HVS 5.1E	B1	4.81	5.07	20	20	20	5	1.5
	B2	4.94	5.20					
	B3	5.09	5.37					

(次頁に続く) (to be continued)

HZS-E SERIES

Type	Zener Voltage Value Grade	V _Z (V)*		Condition	Z _Z (Ω)	Condition	I _R (μA)	Condition
		min.	max.	I _Z (mA)	max.	I _Z (mA)	max.	V _R (V)
HZS 5.6E	B1	5.28	5.55	20	13	20	5	2.5
	B2	5.45	5.73					
	B3	5.61	5.91					
HZS 6.2E	B1	5.78	6.09	20	10	20	5	3.0
	B2	5.96	6.27					
	B3	6.12	6.44					
HZS 6.8E	B1	6.29	6.63	20	6	20	1	3.5
	B2	6.49	6.83					
	B3	6.66	7.01					
HZS 7.5E	B1	6.85	7.22	20	6	20	0.5	4.0
	B2	7.07	7.45					
	B3	7.29	7.67					
HZS 8.2E	B1	7.53	7.92	20	6	20	0.5	5.0
	B2	7.78	8.19					
	B3	8.03	8.45					
HZS 9.1E	B1	8.29	8.73	20	6	20	0.2	6.0
	B2	8.57	9.01					
	B3	8.83	9.30					
HZS 10E	B1	9.12	9.59	20	6	20	0.2	7.0
	B2	9.41	9.90					
	B3	9.70	10.20					
	C	9.94	10.44					
HZS 11E	B1	10.18	10.71	10	10	10	0.2	8.0
	B2	10.50	11.05					
	B3	10.82	11.38					
HZS 12E	B1	11.13	11.71	10	12	10	0.2	9.0
	B2	11.44	12.03					
	B3	11.74	12.35					
HZS 13E	B1	12.11	12.75	10	14	10	0.2	10
	B2	12.55	13.21					
	B3	12.99	13.66					
HZS 15E	B1	13.44	14.13	10	16	10	0.2	11
	B2	13.89	14.62					
	B3	14.35	15.09					
HZS 16E	B1	14.80	15.57	10	18	10	0.2	12
	B2	15.25	16.04					
	B3	15.69	16.51					
HZS 18E	B1	16.22	17.06	10	23	10	0.2	13
	B2	16.82	17.70					
	B3	17.42	18.33					
HZS 20E	B1	18.02	18.96	10	28	10	0.2	15
	B2	18.63	19.59					
	B3	19.23	20.22					
	C	19.72	20.72					
HZS 22E	B1	20.15	21.10	5	30	5	0.2	17
	B2	20.64	21.71					
	B3	21.08	22.17					
	B4	21.52	22.63					

* ツェナー電圧(V_Z)は通電後40msで測定します。

* Zener voltage (V_Z) is measured 40ms after the apply of I_Z.

(次頁に続く) (to be continued)

Type	Zener Voltage Value Grade	$V_Z(V)^*$		Condition	$Z_Z(\Omega)$	Condition	$I_R(\mu A)$	Condition
		min.	max.	I_Z (mA)	max.	I_Z (mA)	max.	V_R (V)
HVS 24E	B1	22.05	23.18	5	35	5	0.2	19
	B2	22.61	23.77					
	B3	23.12	24.31					
	B4	23.63	24.85					
HVS 27E	B1	24.26	25.52	5	45	5	0.2	21
	B2	24.97	26.26					
	B3	25.63	26.95					
	B4	26.29	27.64					
HVS 30E	B1	26.99	28.39	5	55	5	0.2	23
	B2	27.70	29.13					
	B3	28.36	29.82					
	B4	29.02	30.51					
HVS 33E	B1	29.68	31.22	5	65	5	0.2	25
	B2	30.32	31.88					
	B3	30.90	32.50					
	B4	31.49	33.11					
HVS 36E	B1	32.14	33.79	5	75	5	0.2	27
	B2	32.79	34.49					
	B3	33.40	35.13					
	B4	34.01	35.77					
HVS 39E	B1	34.68	36.47	5	85	5	0.2	30
	B2	35.36	37.19					
	B3	36.00	37.85					
	B4	36.63	38.52					

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* Zener voltage (V_Z) is measured 40ms after the apply of I_Z .