

## TVS 瞬态电压抑制二极管

TVS Transient Voltage Suppressor

400W PkE6.8-440A 外形:DO-41

600W PkE6.8-440A 外形:DO-15

1500W 1.5KE6.8-440A 外形:DO-201AD

Outline: 00-11

Outline: 00-15

Outline: 00 201AD

型号 Type	击穿电压 Breakdown Voltage		ESD CURRENT @10kV	反向工作电压 Reverse Stand off Voltage	最大反向漏电流 Maximum Reverse Leakage	最大峰值浪涌电流 Maximum Peak Pulse Current			最大钳位电压 Maximum Clamping Voltage	V <sub>0</sub> 最大温度系数 Maximum Temperature Coefficient of V <sub>0</sub>
	V <sub>BR</sub>					I <sub>RM</sub>	I <sub>PM</sub>	V <sub>C</sub> (50ns)		
	Min	Max	( $\mu$ A)	400W	600W				1500W	V <sub>C</sub>
6.8	6.12	7.48	10	5.50	1000	38	56	139	10.8	0.057
6.8A	6.45	7.14	10	5.80	1000	40	57	145	10.5	0.057
7.5	6.75	8.25	10	6.05	500	36	51	128	11.7	0.061
7.5A	7.13	7.88	10	6.40	500	37	53	132	11.3	0.061
8.2	7.38	9.02	10	6.65	200	33	48	120	12.5	0.065
8.2A	7.79	8.61	10	7.02	200	35	50	124	12.1	0.065
9.1	8.19	10.0	1.0	7.37	50	30	44	109	13.8	0.068
9.1A	8.65	9.55	1.0	7.78	50	31	45	112	13.4	0.068
10	9.00	11.0	1.0	8.10	10	28	40	100	15.0	0.073
10A	9.50	10.5	1.0	8.55	10	29	41	103	14.5	0.073
11	9.90	12.1	1.0	8.92	5.0	26	37	93.0	16.2	0.075
11A	10.5	11.6	1.0	9.40	5.0	27	38	96.0	15.6	0.075
12	10.8	13.2	1.0	9.72	5.0	24	35	87.0	17.2	0.076
12A	11.4	12.6	1.0	10.2	5.0	25	36	90.0	16.7	0.076
13	11.7	14.3	1.0	10.5	5.0	22	32	79.0	19.0	0.081
13A	12.4	13.7	1.0	11.1	5.0	23	33	82.0	18.2	0.081
15	13.5	16.5	1.0	12.1	5.0	19	27	68.0	22.0	0.084
15A	15.3	15.8	1.0	12.8	5.0	20	28	71.0	21.2	0.084
16	14.4	17.6	1.0	12.9	5.0	18	26	64.0	23.5	0.086
16A	15.2	16.8	1.0	13.6	5.0	19	27	67.0	22.5	0.086
18	16.2	19.8	1.0	14.5	5.0	16	23	56.5	26.5	0.088
18A	17.1	18.9	1.0	15.3	5.0	17	24	59.5	25.2	0.088
20	18.0	22.0	1.0	16.2	5.0	14	21	51.5	29.1	0.090
20A	19.0	21.0	1.0	17.1	5.0	15	22	54.0	27.7	0.090
22	19.8	24.2	1.0	17.8	5.0	13	19	47.0	31.9	0.092
22A	20.9	23.1	1.0	18.8	5.0	14	20	49.0	30.6	0.092
24	21.6	26.4	1.0	19.4	5.0	12	17	43.0	34.7	0.094
24A	22.8	25.2	1.0	20.5	5.0	13	18	45.0	33.2	0.094
27	24.3	29.7	1.0	21.8	5.0	11	15	38.5	39.1	0.096
27A	25.7	28.4	1.0	23.1	5.0	11.2	16	40.0	37.5	0.096
30	27.0	33.0	1.0	24.3	5.0	10	14	34.5	43.5	0.097
30A	28.5	31.5	1.0	25.6	5.0	10	14.4	36.0	41.4	0.097
33	29.7	36.3	1.0	26.8	5.0	9	12.6	31.5	47.7	0.098
33A	31.4	34.7	1.0	28.2	5.0	8	13.2	33.0	45.7	0.098
36	32.4	39.6	1.0	29.1	5.0	8	11.6	29.0	52.0	0.099
36A	34.2	37.8	1.0	30.8	5.0	8.4	12.0	30.0	49.9	0.099
39	35.1	42.9	1.0	31.6	5.0	7.4	10.6	26.5	56.4	0.100
39A	37.1	41.0	1.0	33.3	5.0	7.8	11.2	28.0	53.9	0.100
43	38.7	47.3	1.0	34.8	5.0	6.8	9.6	24.0	61.9	0.101
43A	40.9	45.2	1.0	36.8	5.0	7.1	10.1	25.3	59.3	0.101
47	42.3	51.7	1.0	38.1	5.0	6.2	8.9	22.2	67.8	0.101
47A	44.7	49.4	1.0	40.2	5.0	5.9	9.3	23.2	64.8	0.101
51	45.9	56.1	1.0	41.3	5.0	5.7	8.2	20.4	73.5	0.102
51A	48.5	53.6	1.0	43.6	5.0	6.0	8.6	21.4	70.1	0.102
56	50.4	61.6	1.0	45.4	5.0	5.2	7.4	18.6	80.5	0.103
56A	53.2	58.8	1.0	47.8	5.0	5.5	7.8	19.5	77.0	0.103
62	55.8	68.2	1.0	50.2	5.0	4.7	6.8	16.9	89.0	0.104
62A	58.9	65.1	1.0	53.0	5.0	5.0	7.3	17.7	85.0	0.104
68	61.2	74.8	1.0	55.1	5.0	4.3	6.1	15.3	98.0	0.104
68A	64.6	71.4	1.0	58.1	5.0	4.6	6.5	16.3	92.0	0.104
75	67.5	82.5	1.0	60.7	5.0	3.9	5.5	13.9	108	0.105
75A	71.3	78.8	1.0	64.1	5.0	4.1	5.8	14.6	103	0.105

备注: 型号后带字母A、表示K尔逊士级, V<sub>0</sub>为标称值; 无字母表示为K尔逊士±10% (标称)

## TVS 瞬态电压抑制二极管

TVS Transient Voltage Suppressor

100W PPKES-8-410A 外型:DO-41

800W PPKES-8-410A 外型:DO-15

1500W L-5826-8-410A 外型:DO-201AD

Outline: 10

Outline: 10

Outline: 80-20

型号 Type	击穿电压 Breakdown Voltage		TEST CURRENT 6kV	反向工作电压 Reverse Stand Off Voltage	最大反向漏电流 Maximum Reverse Leakage	最大峰值浪涌电流 Maximum Peak Pulse Current			最大钳位电压 Maximum Clamping Voltage	V <sub>oc</sub> 最大温度系数 Maximum Temporal Coefficient of V <sub>oc</sub>		
	V <sub>br</sub>					I <sub>rrm</sub>	I <sub>psm</sub>	I <sub>psm</sub>			V <sub>c</sub> (80ms)	%/°C
	Min	Max										
82	73.8	98.2	1.0	66.4	5.0	3.6	5.1	12.7	118	0.105		
82A	77.9	86.1	1.0	70.1	5.0	3.7	5.3	13.3	115	0.105		
91	81.9	100	1.0	73.7	5.0	3.2	4.5	18.4	131	0.106		
91A	86.5	95.5	1.0	77.8	5.0	3.4	4.8	12.0	125	0.106		
100	98.0	110	1.0	81.0	5.0	2.9	4.2	18.4	144	0.106		
100A	95.0	105	1.0	85.5	5.0	3.1	4.4	11.0	137	0.106		
110	99.0	121	1.0	89.2	5.0	2.7	3.8	9.5	158	0.107		
110A	105	126	1.0	94.0	5.0	2.8	4.0	9.9	152	0.107		
120	108	132	1.0	97.2	5.0	2.4	3.5	8.7	173	0.107		
120A	114	126	1.0	102	5.0	2.5	3.6	9.1	165	0.107		
130	117	143	1.0	105	5.0	2.2	3.2	8.0	187	0.107		
130A	124	137	1.0	111	5.0	2.3	3.3	8.4	179	0.107		
150	135	165	1.0	121	5.0	2.0	2.8	7.0	215	0.108		
150A	143	158	1.0	128	5.0	2.0	2.9	7.2	207	0.108		
160	144	176	1.0	130	5.0	1.8	2.6	6.5	230	0.108		
160A	152	168	1.0	136	5.0	1.9	2.7	6.8	219	0.108		
170	153	187	1.0	138	5.0	1.7	2.5	6.2	264	0.108		
170A	162	179	1.0	145	5.0	1.8	2.6	6.4	234	0.108		
180	162	198	1.0	146	5.0	1.6	2.3	5.8	258	0.108		
180A	171	189	1.0	154	5.0	1.7	2.4	6.1	246	0.108		
200	180	220	1.0	162	5.0	1.5	2.1	5.2	287	0.108		
200A	190	210	1.0	171	5.0	1.5	2.2	5.5	274	0.108		
220	198	242	1.0	175	5.0	1.14	1.75	4.3	344	0.108		
220A	209	231	1.0	185	5.0	1.22	1.85	4.6	328	0.108		
250	225	275	1.0	202	5.0	1.11	1.67	5.0	360	0.110		
250A	237	267	1.0	214	5.0	1.16	1.75	5.0	344	0.110		
300	270	330	1.0	243	5.0	0.93	1.40	5.0	430	0.110		
300A	285	315	1.0	256	5.0	0.97	1.45	5.0	414	0.110		
350	315	385	1.0	284	5.0	0.79	1.20	4.0	504	0.110		
350A	332	368	1.0	300	5.0	0.83	1.25	4.0	482	0.110		
400	360	440	1.0	324	5.0	0.70	1.05	4.0	574	0.110		
400A	380	420	1.0	342	5.0	0.73	1.10	4.0	548	0.110		
480	396	484	1.0	356	5.0	0.85	0.95	2.38	631	0.110		
480A	418	462	1.0	376	5.0	1.0	1.0	2.50	602	0.110		

备注: 型号后面带\*标记, 表示V<sub>oc</sub>范围±5%; V<sub>c</sub>(100ns)无标记表示V<sub>oc</sub>范围±10%; V<sub>c</sub>(100ns)