

400W P4KE6.8-440A DO-41  
 600W P6KE6.8-440A DO-15  
 1500W 1.5KE6.8-440A DO-201AD

Outline:DO-41  
 Outline:DO-15  
 Outline:DO-201AD

Diode TYPE	Breakdown Voltage		TEST CURRENT @IT	Reverse Stand off Voltage VWM	Maximum Reverse Leakage ID (@VWM)	Maximum Peak Pulse Current			Maximum Clamping Voltage Vc (@IPPM)	Maximum Temperature Coefficient of VBR
	VRR					IPPM				
	(V)		(mA)	(V)	(μA)	(A)			Vc	(%/°C)
Min	Max	400W				600W	1500W			
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	143	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	6.63	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	17.3	0.076
12A	11.4	12.6	1.0	10.2	5.0	25	36	90.0	16.7	0.078
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	37.9	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	5.0	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	7.1	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

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TYPE	Breakdown Voltage		TEST CVRRENT @IT	Reverse Stand off Voltage	Maximum Reverse Leakage	Maximum Peak Pulse Current			Maximum Clamping Voltage	Maximum Temperature Coefficient of VBR
	VRR					VWM	ID (@VWM)	IPPM		
	(V)		(mA)	(V)	( $\mu$ A)			(A)		
	Min	Max				400W	600W	1500W		
82	73.8	90.2	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	113	0.105
91	81.9	100	1.0	73.7	5.0	3.2	4.5	11.4	131	0.106
91A	86.5	95.5	1.0	77.8	5.0	3.4	4.8	12.0	125	0.106
100	90.0	110	1.0	81.0	5.0	2.9	4.2	10.4	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	116	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	244	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	1.53	2.2	5.5	274	0.108
220	198	242	1.0	175	5.0	1.16	1.75	4.3	344	0.108
220A	209	231	1.0	185	5.0	1.22	1.83	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
440	396	484	1.0	356	5.0	0.95	0.95	2.34	631	0.110
440A	418	462	1.0	376	5.0	1.0	1.0	2.50	602	0.110