

P6KE SERIES

CASE : DO-15

PART NO.	Breakdown Voltage			Reverse Stand-off Voltage V_{RR} (VDC)	Maximum Reverse Leakage Current I_R (μA)	Maximum Peak Pulse Current I_{PP} (mA)	Maximum Clamping Voltage at I_{PP} V_C (VDC)	Maximum Temperature Coefficient of V_C (%/°C)
	V_{BR} (VDC)		DL_T (ns)					
	MIN.	MAX.						
P6KE6.2	6.12	7.48	10	5.50	1000	36	10.8	0.057
P6KE6.8A	6.45	7.14	10	5.80	1000	37	10.5	0.057
P6KE7.5	6.75	8.25	10	6.05	500	51	11.7	0.061
P6KE7.5A	7.13	7.88	10	6.40	500	53	11.3	0.061
P6KE8.2	7.38	9.02	10	6.63	200	48	12.5	0.065
P6KE8.2A	7.79	8.61	10	7.02	200	50	12.1	0.065
P6KE9.1	8.19	10.0	1.0	7.37	50	44	13.8	0.068
P6KE9.1A	8.65	9.55	1.0	7.78	50	45	13.4	0.068
P6KE10	9.00	11.0	1.0	8.10	10	40	15.0	0.073
P6KE10A	9.50	10.5	1.0	8.55	10	41	14.5	0.073
P6KE11	9.90	12.1	1.0	8.92	5.0	37	16.2	0.075
P6KE11A	10.5	11.6	1.0	9.40	5.0	38	15.6	0.075
P6KE12	10.8	13.2	1.0	9.72	5.0	35	17.3	0.076
P6KE12A	11.4	12.6	1.0	10.2	5.0	36	16.7	0.078
P6KE13	11.7	14.3	1.0	10.5	5.0	32	19.0	0.081
P6KE13A	12.4	13.7	1.0	11.1	5.0	33	18.2	0.081
P6KE15	13.5	16.3	1.0	12.1	5.0	27	22.0	0.084
P6KE15A	14.3	15.8	1.0	12.8	5.0	28	21.2	0.084
P6KE16	14.4	17.6	1.0	12.9	5.0	26	23.5	0.086
P6KE16A	15.2	16.8	1.0	13.6	5.0	27	22.5	0.086
P6KE18	16.2	19.8	1.0	14.5	5.0	23	26.5	0.088
P6KE18A	17.1	18.9	1.0	15.3	5.0	24	25.5	0.088
P6KE20	18.0	22.0	1.0	16.2	5.0	21	29.1	0.090
P6KE20A	19.0	21.0	1.0	17.1	5.0	22	27.7	0.090
P6KE22	19.8	24.2	1.0	17.8	5.0	19	31.9	0.092
P6KE22A	20.9	23.1	1.0	18.8	5.0	20	30.6	0.092
P6KE24	21.6	26.4	1.0	19.4	5.0	17	34.7	0.094
P6KE24A	22.8	25.2	1.0	20.5	5.0	18	33.2	0.094
P6KE27	24.3	29.7	1.0	21.8	5.0	15	39.1	0.096
P6KE27A	25.7	28.4	1.0	23.1	5.0	16	37.5	0.096
P6KE30	27.0	33.0	1.0	24.3	5.0	14	43.5	0.097
P6KE30A	28.5	31.5	1.0	25.6	5.0	14.4	41.4	0.097
P6KE33	29.7	36.3	1.0	26.8	5.0	12.6	47.7	0.098
P6KE33A	31.4	34.7	1.0	28.2	5.0	13.2	45.7	0.098
P6KE36	32.4	39.6	1.0	29.1	5.0	11.6	52.0	0.099
P6KE36A	34.2	37.8	1.0	30.8	5.0	12.0	49.9	0.099
P6KE40	35.1	42.9	1.0	31.6	5.0	10.6	56.4	0.100
P6KE40A	37.1	41.0	1.0	33.3	5.0	11.2	53.9	0.100
P6KE45	38.7	47.3	1.0	34.8	5.0	9.6	61.9	0.101
P6KE45A	40.9	45.2	1.0	36.8	5.0	10.1	59.3	0.101
P6KE50	42.3	51.7	1.0	38.1	5.0	8.9	67.8	0.101
P6KE50A	44.7	49.4	1.0	40.2	5.0	9.3	64.8	0.101
P6KE55	45.9	56.1	1.0	41.3	5.0	8.2	73.5	0.102
P6KE55A	48.5	53.6	1.0	43.6	5.0	8.6	70.1	0.102
P6KE60	50.4	61.6	1.0	45.4	5.0	7.4	80.5	0.103
P6KE60A	53.2	58.8	1.0	47.8	5.0	7.8	77.0	0.103
P6KE70	55.8	68.2	1.0	50.2	5.0	6.8	89.0	0.104
P6KE70A	58.9	65.1	1.0	53.0	5.0	7.1	85.0	0.104

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PART NO.	Breakdown Voltage			Reverse Stand off Voltage V_{RR} (Vrms)	Maximum Reverse Leakage at V_{RR} I_{RR} (μ A)	Maximum Peak Pulse Current I_{PPM} (Ams)	Maximum Clamping Voltage at I_{PPM} V_C (Vrms)	Maximum Temperature Coefficient of V_{BR} (%/°C)
	V_{BR} (Vrms)		IR_T (mA)					
	MIN.	MAX.						
P6KE68	61.2	74.8	1.0	55.1	5.0	6.1	98.0	0.104
P6KE68A	64.6	71.4	1.0	58.1	5.0	6.5	92.0	0.104
P6KE75	67.5	82.5	1.0	60.7	5.0	5.5	108	0.105
P6KE75A	71.3	78.8	1.0	64.1	5.0	5.8	103	0.105
P6KE82	73.8	90.2	1.0	66.4	5.0	5.1	118	0.105
P6KE82A	77.9	86.1	1.0	70.1	5.0	5.3	113	0.105
P6KE91	81.9	100	1.0	73.7	5.0	4.5	131	0.106
P6KE91A	86.5	95.5	1.0	77.8	5.0	4.8	125	0.106
P6KE100	90.0	110	1.0	81.0	5.0	4.2	144	0.106
P6KE100A	95.0	105	1.0	85.5	5.0	4.4	137	0.106
P6KE110	99.0	121	1.0	89.2	5.0	3.8	158	0.107
P6KE110A	105	116	1.0	94.0	5.0	4.0	152	0.107
P6KE120	108	132	1.0	97.2	5.0	3.5	173	0.107
P6KE120A	114	126	1.0	102	5.0	3.6	165	0.107
P6KE130	117	143	1.0	105	5.0	3.2	187	0.107
P6KE130A	124	137	1.0	111	5.0	3.3	179	0.107
P6KE150	135	165	1.0	121	5.0	2.8	215	0.108
P6KE150A	143	158	1.0	128	5.0	2.9	207	0.108
P6KE160	144	176	1.0	130	5.0	2.6	230	0.108
P6KE160A	152	168	1.0	136	5.0	2.7	219	0.108
P6KE170	153	187	1.0	138	5.0	2.5	244	0.108
P6KE170A	162	179	1.0	145	5.0	2.6	234	0.108
P6KE180	162	198	1.0	146	5.0	2.3	258	0.108
P6KE180A	171	189	1.0	154	5.0	2.4	246	0.108
P6KE200	180	220	1.0	162	5.0	2.1	287	0.108
P6KE200A	190	210	1.0	171	5.0	2.2	274	0.108
P6KE220	198	242	1.0	175	5.0	1.75	344	0.108
P6KE220A	209	231	1.0	185	5.0	1.83	328	0.108
P6KE250	225	275	1.0	202	5.0	1.67	360	0.110
P6KE250A	237	267	1.0	214	5.0	1.75	344	0.110
P6KE300	270	330	1.0	243	5.0	1.40	430	0.110
P6KE300A	285	315	1.0	256	5.0	1.45	414	0.110
P6KE350	315	385	1.0	284	5.0	1.20	504	0.110
P6KE350A	332	368	1.0	300	5.0	1.25	482	0.110
P6KE400	360	440	1.0	324	5.0	1.05	574	0.110
P6KE400A	380	420	1.0	342	5.0	1.10	548	0.110

NOTES: 1. V_{BR} measured after I_T applied for 300ms. I_T = square wave pulse or equivalent.

2. For bidirectional use C or CA suffixs for all types(ex. P6KE68C,P6KE400CA) electrical characteristics apply in both directions.

3. For bidirectional types having V_R of 10 volts and less, the I_D limit is doubled.