



TRANSIENT VOLTAGE SUPPRESSORS

P6KE SERIES



600 WATT PEAK POWER RATING

OPERATING/STORAGE TEMPERATURE RANGE -65°C TO +175°C

PART NUMBER	V _(BR) MIN @I _T	I _T	V _{WM}	I _D @ V _{WM}	V _C MAX @I _{PP}	I _{PP}	aV _(BR)
	VDC	mADC	V	μADC	V	A	%/°C
P6KE6.8	6.12	10	5.5	1000	10.8	56	.057
P6KE7.5	6.75	10	6.05	500	11.7	51	.061
P6KE8.2	7.38	10	6.63	200	12.5	48	.065
P6KE9.1	8.19	1	7.37	50	13.8	44	.068
P6KE10	9.0	1	8.1	10	15	40	.073
P6KE11	9.9	1	8.92	5	16.2	37	.075
P6KE12	10.8	1	9.72	5	17.3	35	.078
P6KE13	11.7	1	10.5	5	19	32	.081
P6KE15	13.5	1	12.1	5	22	27	.084
P6KE16	14.4	1	12.9	5	23.5	26	.086
P6KE18	16.2	1	14.5	5	26.5	23	.088
P6KE20	18	1	16.2	5	29.1	21	.090
P6KE22	19.8	1	17.8	5	31.9	19	.092
P6KE24	21.6	1	19.4	5	34.7	17	.094
P6KE27	24.3	1	21.8	5	39.1	15	.096
P6KE30	27	1	24.3	5	43.5	14	.097
P6KE33	29.7	1	26.8	5	47.7	12.6	.098
P6KE36	32.4	1	29.1	5	52	11.6	.099
P6KE39	35.1	1	31.6	5	56.4	10.6	.100
P6KE43	38.7	1	34.8	5	61.9	9.6	.101
P6KE47	42.3	1	38.1	5	67.8	8.8	.101
P6KE51	45.9	1	41.3	5	73.5	8.2	.102
P6KE56	50.4	1	45.4	5	80.5	7.4	.103
P6KE62	55.8	1	50.2	5	89	6.8	.104
P6KE68	61.2	1	55.1	5	98	6.1	.104
P6KE75	67.5	1	60.7	5	108	5.5	.105
P6KE82	73.8	1	66.4	5	118	5.1	.105
P6KE91	81.9	1	73.7	5	131	4.5	.106
P6KE100	90	1	81	5	144	4.2	.106
P6KE110	99	1	89.2	5	158	3.8	.107
P6KE120	108	1	97.2	5	173	3.5	.107
P6KE130	117	1	105	5	187	3.2	.107
P6KE150	135	1	121	5	215	2.8	.108
P6KE160	144	1	130	5	230	2.6	.108
P6KE170	153	1	138	5	244	2.5	.108
P6KE180	162	1	146	5	258	2.3	.108
P6KE200	180	1	162	5	287	2.1	.108

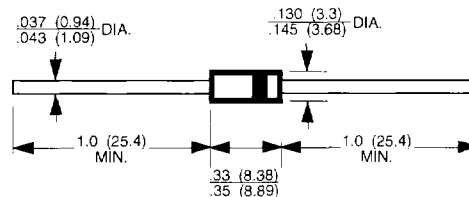
PART NUMBER	V _(BR) MIN @I _T	I _T	V _{WM}	I _D @ V _{WM}	V _C MAX @I _{PP}	I _{PP}	aV _(BR)
	VDC	mADC	V	μADC	V	A	%/°C
P6KE6.8A	6.45	10	5.8	1000	10.5	57	.057
P6KE7.5A	7.13	10	6.4	500	11.3	53	.061
P6KE8.2A	7.79	10	7.02	200	12.1	50	.065
P6KE9.1A	8.65	1	7.78	50	13.4	45	.068
P6KE10A	9.5	1	8.55	10	14.5	41	.073
P6KE11A	10.5	1	9.4	5	15.6	38	.075
P6KE12A	11.4	1	10.2	5	16.7	36	.078
P6KE13A	12.4	1	11.1	5	18.2	33	.081
P6KE15A	14.3	1	12.8	5	21.2	28	.084
P6KE16A	15.2	1	13.6	5	22.5	27	.086
P6KE18A	17.1	1	15.3	5	25.2	24	.088
P6KE20A	19	1	17.1	5	27.7	22	.090
P6KE22A	20.9	1	18.8	5	30.6	20	.092
P6KE24A	22.8	1	20.5	5	33.2	18	.094
P6KE27A	25.7	1	23.1	5	37.5	16	.096
P6KE30A	28.5	1	25.6	5	41.4	14.4	.097
P6KE33A	31.4	1	28.2	5	45.7	13.2	.098
P6KE36A	34.2	1	30.8	5	49.9	12	.099
P6KE39A	37.1	1	33.3	5	53.9	11.2	.100
P6KE43A	40.9	1	36.8	5	59.3	10.1	.101
P6KE47A	44.7	1	40.2	5	64.8	9.3	.101
P6KE51A	48.5	1	43.6	5	70.1	8.6	.102
P6KE56A	53.2	1	47.8	5	77	7.8	.103
P6KE62A	58.9	1	53	5	85	7.1	.104
P6KE68A	64.6	1	58.1	5	92	6.5	.104
P6KE75A	71.3	1	64.1	5	103	5.8	.105
P6KE82A	77.9	1	70.1	5	113	5.3	.105
P6KE91A	86.5	1	77.8	5	125	4.8	.106
P6KE100A	95	1	85.5	5	137	4.4	.106
P6KE110A	105	1	94	5	152	3.9	.107
P6KE120A	114	1	102	5	165	3.6	.107
P6KE130A	124	1	111	5	179	3.3	.107
P6KE150A	143	1	128	5	207	2.9	.108
P6KE160A	152	1	136	5	219	2.7	.108
P6KE170A	161	1	145	5	234	2.6	.108
P6KE180A	171	1	154	5	246	2.4	.108
P6KE200A	190	1	171	5	274	2.2	.108

- NOTES: 1) Add Suffix "C" or "CA" after Part Number for Bi directional devices.
 2) Reverse leakage current (I_D) is doubled for "C" and "CA" devices with V_{WM} ratings < 8 volts.

SYMBOLS AND ABBREVIATIONS:

V_{WM} = Rated Stand-Off Voltage
 I_{PP} = Peak Pulse Current
 V_C(Max) = Maximum Clamping Voltage

V_(BR) = Breakdown Voltage
 I_T = Test Current
 I_D = Reverse Leakage
 aV_(BR) = Max Temp. Coefficient of V_(BR) / TA = -55 to 100°C



P6KE OUTLINE