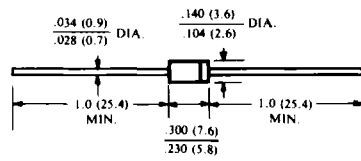


TRANSIENT VOLTAGE SUPPRESSORS P6KE SERIES

Operating Temperature -65°C to +175°C

Device	Breakdown Voltage		@IT (mA)	Working Peak Reverse Voltage V _{RWM} (Volts)	Maximum Reverse Leakage at V _{RWM} I _{IR} (μA)	Maximum Reverse Current I _{ISM} (Amps)	MAX. Clamping Voltage V _{CSM} (Volts)	Maximum Temperature Coefficient of V _{BR} (%/C)	OUTLINE INCHES (mm)
	B _{BR} (Volts)								
	MIN	MAX							
P4KE6.8	6.12	7.48	10	5.50	1000	56	10.8	0.057	
P6KE6.8A	6.45	7.14	10	5.80	1000	57	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	0.078	
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	16.5	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	25.2	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	
P6KE39	35.1	42.9	1.0	31.6	5.0	10.6	56.4	0.100	
P6KE39A	37.1	41.0	1.0	33.3	5.0	11.2	53.9	0.100	
P6KE43	38.7	47.3	1.0	34.8	5.0	9.6	61.9	0.101	
P6KE43A	40.9	45.2	1.0	36.8	5.0	10.1	59.3	0.101	
P6KE47	42.3	51.7	1.0	38.1	5.0	8.9	67.8	0.101	
P6KE47A	44.7	49.4	1.0	40.2	5.0	9.3	64.8	0.101	
P6KE51	45.9	56.1	1.0	41.3	5.0	8.2	73.5	0.102	
P6KE51A	48.5	53.6	1.0	43.6	5.0	8.6	70.1	0.102	
P6KE56	50.4	61.6	1.0	45.4	5.0	7.4	80.5	0.103	
P6KE56A	53.2	58.8	1.0	47.8	5.0	7.8	77.0	0.103	
P6KE62	55.8	68.2	1.0	50.2	5.0	6.8	89.0	0.104	
P6KE62A	58.9	65.1	1.0	53.0	5.0	7.1	85.0	0.104	
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	0.105	
P6KE75A	71.3	78.8	1.0	64.1	5.0	5.8	103.0	0.105	
P6KE82	73.8	90.2	1.0	66.4	5.0	5.1	118.0	0.105	
P6KE82A	77.9	86.1	1.0	70.1	5.0	5.3	113.0	0.105	
P6KE91	81.9	100.0	1.0	73.7	5.0	4.5	131.8	0.106	
P6KE91A	86.5	95.5	1.0	77.8	5.0	4.8	125.0	0.106	
P6KE100	90.0	110.0	1.0	81.0	5.0	4.2	144.0	0.106	
P6KE100A	95.0	105.0	1.0	85.5	5.0	4.4	137.0	0.106	
P6KE110	99.0	121.0	1.0	89.2	5.0	3.8	158.0	0.107	
P6KE110A	105.0	116.0	1.0	94.0	5.0	4.0	152.0	0.107	
P6KE120	108.0	132.0	1.0	97.2	5.0	3.5	173.0	0.107	
P6KE120A	114.0	126.0	1.0	102.0	5.0	3.6	165.0	0.107	
P6KE130	117.0	143.0	1.0	105.0	5.0	3.2	187.0	0.107	
P6KE130A	124.0	137.0	1.0	111.0	5.0	3.3	179.0	0.107	
P6KE150	135.0	165.0	1.0	121.0	5.0	2.8	215.0	0.108	
P6KE150A	143.0	158.0	1.0	128.0	5.0	2.9	207.0	0.108	
P6KE160	144.0	176.0	1.0	130.0	5.0	2.6	230.0	0.108	
P6KE160A	152.0	168.0	1.0	136.0	5.0	2.7	219.0	0.108	
P6KE170	153.0	187.0	1.0	138.0	5.0	2.5	244.0	0.108	
P6KE170A	162.0	179.0	1.0	145.0	5.0	2.6	234.0	0.108	
P6KE180	162.0	198.0	1.0	146.0	5.0	2.3	258.0	0.108	
P6KE180A	171.0	189.0	1.0	154.0	5.0	2.4	246.0	0.108	
P6KE200	180.0	220.0	1.0	162.0	5.0	2.1	287.0	0.108	
P6KE200A	190.0	210.0	1.0	171.0	5.0	2.2	274.0	0.108	
P6KE220	198.0	242.0	1.0	175.0	5.0	1.75	344.0	0.108	
P6KE220A	209.0	231.0	1.0	185.0	5.0	1.83	328.0	0.108	
P6KE250	225.0	275.0	1.0	202.0	5.0	1.67	360.0	0.110	
P6KE250A	237.0	263.0	1.0	214.0	5.0	1.75	344.0	0.110	
P6KE300	270.0	330.0	1.0	243.0	5.0	1.4	430.0	0.110	
P6KE300A	285.0	315.0	1.0	256.0	5.0	1.45	414.0	0.110	
P6KE350	315.0	385.0	1.0	284.0	5.0	1.2	504.0	0.110	
P6KE350A	332.0	388.0	1.0	300.0	5.0	1.25	482.0	0.110	
P6KE400	360.0	440.0	1.0	324.0	5.0	1.05	574.0	0.110	
P6KE400A	380.0	420.0	1.0	342.0	5.0	1.1	548.0	0.110	

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NOTES:

1. V_I = 3.5 V at I_R = 50A (P6KE6.8 thru P6KE91A)
V_I = 5.0V at I_R = 50A (P6KE100 thru P6KE400A)
on 1/2 Square or Equivalent Sine Wave
PW = 8.3 ms, Duty Cycle x 4 Pulses per Minute Maximum
2. For bipolar types moving V_{IR} of 10 volts and under,
the I_{IR} limit is doubled