

TVS Diodes

P6KE-Series Transient Voltage Suppressor Diodes (17-02 Plastic Package) $T_A = 25\text{ }^\circ\text{C}$

Type	Voltage Range $t_p = 300\ \mu\text{s}$		Test Current	Leakage Current		Pulse Range $t_p = 1\ \text{ms}$	Pulse Current	
	$V_{(BR)}^{1)}$ min V	$V_{(BR)}^{1)}$ max V		I_R mA	I_{RM} max μA		V_{RM} max V	V_{RSM} max V
P4KE6V8	6.12	7.48	10	1000	5.5	10.8	56	5.7
P6KE6V8A	6.45	7.14	10	1000	5.8	10.5	57	5.7
P6KE7V5	6.75	8.25	10	500	6.05	11.7	51	6.1
P6KE7V5A	7.13	7.88	10	500	6.4	11.3	53	6.1
P6KE8V2	7.38	9.02	10	200	6.63	12.5	48	6.5
P6KE8V2A	7.79	8.61	10	200	7.02	12.1	50	6.5
P6KE9V1	8.19	10	1	50	7.37	13.8	44	6.8
P6KE9V1A	8.65	9.55	1	50	7.78	13.4	45	6.8
P6KE10	9.0	11	1	10	8.1	15	40	7.3
P6KE10A	9.5	10.5	1	10	8.55	14.5	41	7.3
P6KE11	9.9	12.1	1	5	8.92	16.2	37	7.5
P6KE11A	10.5	11.6	1	5	9.4	15.6	38	7.5
P6KE12	10.8	13.2	1	5	9.72	17.3	35	7.8
P6KE12A	11.4	12.6	1	5	10.2	16.7	36	7.8
P6KE13	11.7	14.3	1	5	10.5	19	32	8.1
P6KE13A	12.4	13.7	1	5	11.1	18.2	33	8.1
P6KE15	13.5	16.3	1	5	12.1	22	27	8.4
P6KE15A	14.3	15.8	1	5	12.8	21.2	28	8.4
P6KE16	14.4	17.6	1	5	12.9	23.5	26	8.6
P6KE16A	15.2	16.8	1	5	13.6	22.5	27	8.6
P6KE18	16.2	19.8	1	5	14.5	26.5	23	8.8
P6KE18A	17.1	18.9	1	5	15.3	25.5	24	8.8
P6KE20	18	22	1	5	16.2	29.1	21	9.0
P6KE20A	19	21	1	5	17.1	27.7	22	9.0
P6KE22	19.8	24.2	1	5	17.8	31.9	19	9.2
P6KE22A	20.9	23.1	1	5	18.8	30.6	20	9.2
P6KE24	21.6	26.4	1	5	19.4	34.7	17	9.4
P6KE24A	22.8	25.2	1	5	20.5	33.2	18	9.4
P6KE27	24.3	29.7	1	5	21.8	39.1	15	9.6
P6KE27A	25.7	28.4	1	5	23.1	37.5	16	9.6
P6KE30	27	33	1	5	24.3	43.5	14	9.7
P6KE30A	28.5	31.5	1	5	25.6	41.4	14.4	9.7
P6KE33	29.7	36.3	1	5	26.8	47.7	12.6	9.8
P6KE33A	31.4	34.7	1	5	28.2	45.7	13.2	9.8
P6KE36	32.4	39.6	1	5	29.1	52	11.6	9.9
P6KE36A	34.2	37.8	1	5	30.8	49.9	12	9.9
P6KE39	35.1	42.9	1	5	31.6	56.4	10.6	10
P6KE39A	37.1	41	1	5	33.3	53.9	11.2	10
P6KE43	38.7	47.3	1	5	34.8	61.9	9.6	10.1
P6KE43A	40.9	45.2	1	5	36.8	59.3	10.1	10.1
P6KE47	42.3	51.7	1	5	38.1	67.8	8.9	10.1
P6KE47A	44.7	49.4	1	5	40.2	64.8	9.3	10.1
P6KE51	45.9	56.1	1	5	41.3	73.5	8.2	10.2
P6KE51A	48.5	53.6	1	5	43.6	70.1	8.6	10.2
P6KE56	50.4	61.6	1	5	45.4	80.5	7.4	10.3
P6KE56A	53.2	58.8	1	5	47.8	77	7.8	10.3
P6KE62	55.8	68.2	1	5	50.2	89	6.8	10.4
P6KE62A	58.9	65.1	1	5	53	85	7.1	10.4
P6KE68	61.2	74.8	1	5	55.1	98	6.1	10.4
P6KE68A	64.6	71.4	1	5	58.1	92	6.5	10.4
P6KE75	67.5	82.5	1	5	60.7	108	5.5	10.5
P6KE75A	71.3	78.8	1	5	64.1	103	5.8	10.5

¹⁾ $V_{(BR)}$ measured after I_R applied for 300 μs , $I_R = \text{Square Wave Pulse}$

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Type	Voltage Range $t_p = 300\ \mu\text{s}$		Test Current	Leakage Current	V_{RM} max V	Pulse Range $t_p = 1\ \text{ms}$	Pulse Current	
	$V_{(BR)}^{1)}$ min V	$V_{(BR)}^{1)}$ max V					I_R mA	$I_{RSM} = 1\ \text{ms}$ max A
P6KE82	73.8	90.2	1	5	66.4	118	5.1	10.5
P6KE82A	77.9	86.1	1	5	70.1	113	5.3	10.5
P6KE91	81.9	100	1	5	73.7	131	4.5	10.6
P6KE91A	86.5	95.5	1	5	77.8	125	4.8	10.6
P6KE100	90	110	1	5	81	144	4.2	10.6
P6KE100A	95	105	1	5	85.5	137	4.4	10.6
P6KE110	99	121	1	5	89.2	158	3.8	10.7
P6KE110A	105	116	1	5	94	152	4.0	10.7
P6KE120	108	132	1	5	97.2	173	3.5	10.7
P6KE120A	114	126	1	5	102	165	3.6	10.7
P6KE130	117	143	1	5	105	187	3.2	10.7
P6KE130A	124	137	1	5	111	179	3.3	10.7
P6KE150	135	165	1	5	121	215	2.8	10.8
P6KE150A	143	158	1	5	128	207	2.9	10.8
P6KE160	144	176	1	5	130	230	2.6	10.8
P6KE160A	152	168	1	5	136	219	2.7	10.8
P6KE170	153	187	1	5	138	244	2.5	10.8
P6KE170A	162	179	1	5	145	234	2.6	10.8
P6KE180	162	198	1	5	146	258	2.3	10.8
P6KE180A	171	189	1	5	154	246	2.4	10.8
P6KE200	180	220	1	5	162	287	2.1	10.8
P6KE200A	190	210	1	5	171	274	2.2	10.8
P6KE220	198	242	1	5	175	344	1.75	10.8
P6KE220A	209	231	1	5	185	328	1.83	10.8
P6KE250	225	275	1	5	202	360	1.67	11
P6KE250A	237	267	1	5	214	344	1.75	11
P6KE300	270	330	1	5	243	430	1.4	11
P6KE300A	285	315	1	5	256	414	1.45	11
P6KE350	315	385	1	5	284	504	1.2	11
P6KE350A	332	368	1	5	300	482	1.25	11
P6KE400	360	440	1	5	324	574	1.05	11
P6KE400A	380	420	1	5	342	548	1.1	11

¹⁾ $V_{(BR)}$ measured after I_R applied for 300 μs , $I_R = \text{Square Wave Pulse}$