

TRANSIENT VOLTAGE SUPPRESSORS 5KP SERIES

Operating Temperature -65°C to +175°C

NUMBER	Breakdown Voltage V _{BR} (Volts)		@IT (mA)	Working Peak Reverse Voltage V _{RSW} (Volts)	Maximum Reverse Leakage AT V _{RSW} I _R (μA)	Maximum Reverse Current I _{RSW} (Amps)	Max. Clamping Voltage V _{CSW} (Volts)	Maximum Temperature Coefficient of V _{BR} (%/C)	OUTLINE INCHES (mm)
	MIN	MAX							
5KP5.0	6.40	7.30	50	5.0	2000	520	9.6	0.057	
5KP5.0A	6.40	7.00	50	5.0	2000	543	9.2	0.057	
5KP6.0	6.67	8.15	50	6.0	5000	439	11.4	0.061	
5KP6.0A	6.67	7.37	50	6.0	5000	485	10.3	0.061	
5KP6.5	7.22	8.82	50	6.5	2000	407	12.3	0.065	
5KP6.5A	7.22	7.98	50	6.5	2000	447	11.2	0.065	
5KP7.0	7.78	9.51	50	7.0	1000	378	13.3	0.068	
5KP7.0A	7.78	8.60	50	7.0	1000	417	12.0	0.068	
5KP7.5	8.33	10.2	5.0	7.5	250	350	14.3	0.073	
5KP7.5A	8.33	9.21	5.0	7.5	250	388	12.9	0.073	
5KP8.0	8.89	10.9	5.0	8.0	150	333	15.0	0.075	
5KP8.0A	8.89	9.83	5.0	8.0	150	367	13.6	0.075	
5KP8.5	9.44	11.5	5.0	8.5	50	314	15.9	0.078	
5KP8.5A	9.44	10.4	5.0	8.5	50	347	14.4	0.078	
5KP9.0	10.0	12.2	5.0	9.0	20	295	16.9	0.081	
5KP9.0A	10.0	11.1	5.0	9.0	20	325	15.4	0.081	
5KP10	11.1	13.6	5.0	10.0	15	266	18.8	0.084	
5KP10A	11.1	12.3	5.0	10.0	15	294	17.0	0.084	
5KP11	12.2	14.9	5.0	11.0	10	249	20.1	0.086	
5KP11A	12.2	13.5	5.0	11.0	10	274	18.2	0.086	
5KP12	13.3	16.3	5.0	12.0	10	227	22.0	0.088	
5KP12A	13.3	14.7	5.0	12.0	10	251	19.9	0.088	
5KP13	14.4	17.6	5.0	13.0	10	210	23.8	0.090	
5KP13A	14.4	15.9	5.0	13.0	10	232	21.5	0.090	
5KP14	15.6	19.1	5.0	14.0	10	194	25.8	0.092	
5KP14A	15.6	17.2	5.0	14.0	10	215	23.2	0.092	
5KP15	16.7	20.4	5.0	15.0	10	188	26.9	0.094	
5KP15A	16.7	18.5	5.0	15.0	10	206	24.4	0.094	
5KP16	17.8	21.8	5.0	16.0	10	176	28.8	0.096	
5KP16A	17.8	19.7	5.0	16.0	10	176	28.8	0.096	
5KP17	18.9	23.1	5.0	17.0	10	164	30.5	0.097	
5KP17A	18.9	20.9	5.0	17.0	10	161	27.6	0.097	
5KP18	20.0	24.4	5.0	18.0	10	155	32.2	0.098	
5KP18A	20.0	22.1	5.0	18.0	10	172	29.2	0.098	
5KP20	22.2	27.1	5.0	20.0	10	139	35.8	0.099	
5KP20A	22.2	24.5	5.0	20.0	10	154	32.4	0.099	
5KP22	24.4	29.8	5.0	22.0	10	127	39.4	0.100	
5KP22A	24.4	26.9	5.0	22.0	10	141	35.5	0.100	
5KP24	26.7	32.6	5.0	24.0	10	116	43.0	0.101	
5KP24A	26.7	29.5	5.0	24.0	10	128	38.9	0.101	
5KP26	28.9	35.3	5.0	26.0	10	107	46.6	0.101	
5KP26A	28.9	31.9	5.0	26.0	10	119	42.1	0.101	
5KP28	31.1	38.0	5.0	28.0	10	99	50.1	0.102	
5KP28A	31.1	34.4	5.0	28.0	10	110	45.4	0.102	
5KP30	33.3	40.7	5.0	30.0	10	93	53.5	0.103	
5KP30A	33.3	36.8	5.0	30.0	10	103	48.4	0.103	
5KP33	36.7	44.9	5.0	33.0	10	85	59.0	0.104	
5KP33A	36.7	40.6	5.0	33.0	10	94	53.3	0.104	
5KP36	40.0	48.9	5.0	36.0	10	78	64.3	0.104	
5KP36A	40.0	44.2	5.0	36.0	10	85	58.1	0.104	
5KP40	44.4	54.3	5.0	40.0	10	70	71.4	0.105	
5KP40A	44.4	49.1	5.0	40.0	10	78	64.5	0.105	
5KP43	47.8	58.4	5.0	43.0	10	65	76.7	0.105	
5KP43A	47.8	52.8	5.0	43.0	10	72	69.4	0.105	
5KP45	50.0	61.1	5.0	45.0	10	62	80.3	0.106	
5KP45A	50.0	55.3	5.0	45.0	10	69	72.7	0.106	
5KP48	53.3	65.2	5.0	48.0	10	58	85.5	0.106	
5KP48A	53.3	58.9	5.0	48.0	10	65	77.4	0.106	
5KP51	56.7	69.3	5.0	51.0	10	55	91.1	0.107	
5KP51A	56.7	62.7	5.0	51.0	10	61	82.4	0.107	
5KP54	60.0	73.3	5.0	54.0	10	52	96.3	0.107	
5KP54A	60.0	66.3	5.0	54.0	10	57	87.1	0.107	
5KP58	64.4	78.7	5.0	58.0	10	49	103.0	0.107	
5KP58A	64.4	71.2	5.0	58.0	10	53	93.6	0.107	
5KP60	66.7	81.5	5.0	60.0	10	47	107.0	0.108	
5KP60A	66.7	73.7	5.0	60.0	10	52	96.8	0.108	
5KP64	71.1	96.9	5.0	64.0	10	44	114.0	0.108	
5KP64A	71.1	78.6	5.0	64.0	10	49	103.0	0.108	
5KP70	77.6	95.1	5.0	70.0	10	40	125.0	0.108	
5KP70A	77.8	86.0	5.0	70.0	10	44	113.0	0.108	
5KP75	83.3	102.0	5.0	75.0	10	37	134.0	0.108	
5KP75A	83.3	92.1	5.0	75.0	10	41	121.0	0.108	
5KP78	86.7	106.0	5.0	78.0	10	36	126.0	0.108	
5KP78A	86.7	95.8	5.0	78.0	10	40	126.0	0.108	
5KP85	94.9	115.0	5.0	85.0	10	33	151.0	0.108	
5KP85A	94.4	104.0	5.0	85.0	10	36	137.0	0.110	
5KP90	100	122.0	5.0	90.0	10	31	160.0	0.110	
5KP90A	100	111.0	5.0	90.0	10	34	146.0	0.110	
5KP100	111	136.0	5.0	100.0	10	28	179.0	0.110	
5KP100A	111	123	5.0	100.0	10	31	162.0	0.110	
5KP110	122	149.0	5.0	110.0	10	26	196.0	0.112	
5KP110A	122	135	5.0	110.0	10	28	177.0	0.112	

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NOTES:

1. V_I = 3.5 Volts max I_F = 100A for all types on 1/2 square or Equivalent Sine Wave.
2. P_W = 8.3ms. Duty Cycle = 4 Pulse per Minute maximum.
For bipolar types with V_{RI} 10 Volts and under, the I_R limit is doubled.