



ELECTRONIC Products



SILICON AVALANCHE DIODES 500, 600, 1500, 5000 AND 15000 WATT AXIAL LEADED TRANSIENT VOLTAGE SUPPRESSORS

ELECTRICAL SPECIFICATION @ TAMB 25°C

Cat. No.	Watts	Reverse Stand off Voltage V_R (Volts)	Breakdown Voltage V_{BR} (Volts) @ I_T		Maximum Clamping Voltage $V_C @ I_{PP}$ (Volts)	Maximum Peak Pulse Current I_{PP} (A)	Maximum Reverse Leakage $I_R @ V_R$ (μ A)	Net Price
			Min	Max				
UNI-POLAR								
SA5.0A	500	5.0	6.40	7.00	9.2	55.4	600	\$.40
SA6.0A	500	6.0	6.67	7.37	10.3	49.5	600	.40
SA6.5A	500	6.5	7.22	7.98	11.2	45.5	400	.40
SA12A	500	12.0	13.30	14.70	19.9	25.6	3	.40
SA15A	500	15.0	16.70	18.50	24.4	20.9	3	.40
SA33A	500	33.0	36.70	40.60	53.3	9.6	3	.40
P6KE6.8A	600	5.80	6.45	7.14	10.5	58.1	1000	.34
P6KE9.1A	600	7.78	8.65	9.55	13.4	45.5	50	.34
P6KE15A	600	12.80	14.30	15.80	21.1	28.8	5	.34
P6KE18A	600	15.30	17.10	18.90	25.2	24.2	5	.34
P6KE20A	600	17.10	19.00	21.00	27.7	22.0	5	.34
P6KE30A	600	25.60	28.50	31.50	41.4	14.7	5	.34
P6KE33A	600	28.20	31.40	34.70	45.7	13.3	5	.34
∅ 1.5KE6.8A	1500	5.80	6.45	7.14	10.5	144.8	1000	.61
∅ 1.5KE7.5A	1500	6.40	7.13	7.88	11.3	134.5	500	.61
∅ 1.5KE10A	1500	8.55	9.50	10.50	14.5	104.8	10	.61
∅ 1.5KE15A	1500	12.80	14.30	15.80	21.2	71.7	5	.61
∅ 1.5KE18A	1500	15.30	17.10	18.90	25.2	60.3	5	.61
∅ 1.5KE30A	1500	25.60	28.50	31.50	41.4	36.7	5	.61
∅ 1.5KE150A	1500	128.0	143.00	158.00	207.0	7.3	5	.61
∅ 1.5KE250A	1500	214.0	237.00	263.00	344.0	4.4	5	.86
∅ 1.5KE300A	1500	256.0	285.00	315.00	414.0	3.7	5	.86
∅ 1.5KE400A	1500	342.0	380.00	420.00	548.0	2.8	5	.86
∅ 5KP15A	5000	15.0	16.70	18.50	24.4	205.0	10	3.37
∅ 5KP30A	5000	30.0	33.30	36.80	48.4	103.0	10	3.37
∅ 5KP33A	5000	33.0	36.70	40.60	53.3	93.9	10	3.37
∅ 5KP36A	5000	36.0	40.00	44.20	58.1	86.1	10	3.37
∅ 5KP43A	5000	43.0	47.80	52.80	69.4	72.1	10	3.37
∅ 5KP90A	5000	90.0	100.00	111.00	146.0	34.3	10	3.37
∅ 15KP24A	15000	24	—	26.7	40.5	369	150	22.84
∅ 15KP30A	15000	30	—	33.3	50.7	296	15	22.84
∅ 15KP33A	15000	33	—	36.7	54.8	274	10	22.84
∅ 15KP36A	15000	36	—	40.0	59.7	251	10	22.84
BI-POLAR								
SA5.0CA	500	5.0	6.40	7.00	9.2	55.4	600	.45
SA6.0CA	500	6.0	6.67	7.37	10.3	49.5	600	.45
SA6.5CA	500	6.5	7.22	7.98	11.2	45.5	400	.45
SA12CA	500	12.0	13.30	14.70	19.9	25.6	3	.45
SA15CA	500	15.0	16.70	18.50	24.4	20.9	3	.45
SA33CA	500	33.0	36.70	40.60	53.3	9.6	3	.45
P6KE6.8CA	600	5.80	6.45	7.14	10.5	58.1	1000	.39
P6KE9.1CA	600	7.78	8.65	9.55	13.4	45.5	50	.39
P6KE15CA	600	12.80	14.30	15.80	21.1	28.8	5	.39
P6KE18CA	600	15.30	17.10	18.90	25.2	24.2	5	.39
P6KE20CA	600	17.10	19.00	21.00	27.7	22.0	5	.39
P6KE30CA	600	25.60	28.50	31.50	41.4	14.7	5	.39
P6KE33CA	600	28.20	31.40	34.70	45.7	13.3	5	.39
P6KE68CA	600	58.10	64.60	71.40	92.0	6.6	5	.39
∅ 1.5KE6.8CA	1500	5.80	6.45	7.14	10.5	144.8	1000	.67
∅ 1.5KE7.5CA	1500	6.40	7.13	7.88	11.3	134.5	500	.67
∅ 1.5KE10CA	1500	8.55	9.50	10.50	14.5	104.8	10	.67
∅ 1.5KE15CA	1500	12.80	14.30	15.80	21.2	71.7	5	.67
∅ 1.5KE18CA	1500	15.30	17.10	18.90	25.2	60.3	5	.67
∅ 1.5KE30CA	1500	25.60	28.50	31.50	41.4	36.7	5	.67
∅ 1.5KE150CA	1500	128.0	143.00	158.00	207.0	7.3	5	.67
∅ 1.5KE250CA	1500	214.0	237.00	263.00	344.0	4.4	5	.94
∅ 1.5KE300CA	1500	256.0	285.00	315.00	414.0	3.7	5	.94
∅ 1.5KE400CA	1500	342.0	380.00	420.00	548.0	2.8	5	.94
∅ 5KP15CA	5000	15.0	16.70	18.50	24.4	205.0	10	3.71
∅ 5KP30CA	5000	30.0	33.30	36.80	48.4	103.0	10	3.71
∅ 5KP33CA	5000	33.0	36.70	40.60	53.3	93.9	10	3.71
∅ 5KP36CA	5000	36.0	40.00	44.20	58.1	86.1	10	3.71
∅ 5KP43CA	5000	43.0	47.80	52.80	69.4	72.1	10	3.71
∅ 5KP90CA	5000	90.0	100.00	111.00	146.0	34.3	10	5.95
∅ 15KP24CA	15000	24	—	26.7	40.5	369	150	25.12
∅ 15KP30CA	15000	30	—	33.3	50.7	296	15	25.12
∅ 15KP33CA	15000	33	—	36.7	54.8	274	10	25.12
∅ 15KP36CA	15000	36	—	40.0	59.7	251	10	25.12

NOTE: For bi-directional type having V_{RWM} of 10 volts and less, the IR limit is double. For parts without A, the VBR is + 10%