



NOTE: DRAWING NOT TO SCALE

UNIPOLAR TRANSIENT SUPPRESSOR

5000 WATT PEAK POWER

- 5000 Watt Peak Pulse Power
10/1000 μ s waveform
- For Hybrid & SMD Applications.
- Glass Passivated Die – Moly Construction
- 5% Tolerance
- Operating Temperature: -65 to +150°C
- Storage Temperature: -65 to +175°C
- Cell Mounting: Solderable, MOLY, Ni Plated
- Soldering 300°C for 10 sec
- 5V to 110V, Other voltages available
- Military Screening Available
- 10K & 15K Watt units Available

CELL DIMENSION SPECIFICATIONS Inches, $\pm .005$ " Tolerance

C	D	Chip Size
0.260	0.033	0.220 Hex

ELECTRICAL CHARACTERISTICS @ T_j 25°C (UNLESS OTHERWISE NOTED)

SEMITRONICS PART NUMBER	STANDOFF VOLTAGE V _{so} Volts	MAX. REVERSE LEAKAGE I _R @ V _{so} uA	REVERSE BREAKDOWN VOLTAGE V _{BR} @ I _T		TEST CURRENT I _T mA	MAX. CLAMPING VOLTAGE (V _{CL}) @ PEAK PULSE CURRENT		MAX. TEMP. COEFFICIENT OF V _{BR} (%/°C)
			MIN Volts	MAX Volts		V _{CL} Volts	I _{pp} Amps	
CELL-5KP5A-Moly	5	2000*	6.40	7.00	50	9.2	543	0.057
CELL-5KP7A-Moly	7	1000	7.78	8.60	50	12	417	0.068
CELL-5KP8A-Moly	8	150	8.89	9.83	5	13.6	367	0.075
CELL-5KP9A-Moly	9	20	10.0	11.1	5	15.4	325	0.081

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	V _{so}		MIN	MAX	I _T	V _{CL}	I _{pp}	
	Volts	uA	Volts	Volts	mA	Volts	Amps	
CELL-5KP10A-Moly	10	15	11.1	12.3	5.0	17.0	294	0.084
CELL-5KP12A-Moly	12	10	13.3	14.7	5.0	19.9	251	0.088
CELL-5KP14A-Moly	14	10	15.6	17.2	5.0	23.2	215	0.092
CELL-5KP16A-Moly	16	10	17.8	19.7	5.0	26.00	192	0.096
CELL-5KP18A-Moly	18	10	20.0	22.1	5.0	29.2	172	0.098
CELL-5KP20A-Moly	20	10	22.2	24.5	5.0	32.4	154	0.099
CELL-5KP22A-Moly	22	10	24.4	26.9	5.0	35.5	141	0.100
CELL-5KP24A-Moly	24	10	26.7	29.5	5.0	38.9	128	0.101
CELL-5KP26A-Moly	26	10	28.9	31.9	5.0	42.1	119	0.101
CELL-5KP28A-Moly	28	10	31.1	34.4	5.0	45.5	110	0.102
CELL-5KP30A-Moly	30	10	33.3	36.8	5.0	48.4	103	0.103
CELL-5KP-33A-Moly	33	10	36.7	40.6	5.0	53.3	94	0.104
CELL-5KP36A-Moly	36	10	40.0	44.2	5.0	58.1	86	0.104
CELL-5KP40A-Moly	40	10	44.4	49.1	5.0	64.5	78	0.105
CELL-5KP43A-Moly	43	10	47.8	54.9	5.0	69.4	72	0.105
CELL-5KP45A-Moly	45	10	50.0	57.5	5.0	72.7	69	0.106
CELL-5KP48A-Moly	48	10	53.3	61.3	5.0	77.4	65	0.106
CELL-5KP51A-Moly	51	10	56.7	65.2	5.0	82.4	61	0.107

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			MIN Volts	MAX Volts		V _{CL} Volts	I _{PP} Amps	
CELL-5KP54A-Moly	54	10	60.0	69.0	5.0	87.1	57	0.107
CELL-5KP58A-Moly	58	10	64.4	74.1	5.0	93.6	53	0.107
CELL-5KP60A-Moly	60	10	66.7	76.7	5.0	96.8	52	0.108
CELL-5KP64A-Moly	64	10	71.1	81.8	5.0	103.0	49	0.108
CELL-5KP70A-Moly	70	10	77.0	86.0	5.0	113.0	44	0.108
CELL-5KP75A-Moly	75	10	83.3	95.8	5.0	121.0	41	0.108
CELL-5KP78A-Moly	78	10	86.7	99.7	5.0	126.0	40	0.108
CELL-5KP85A-Moly	85	10	94.4	108.2	5.0	137.0	36	0.108
CELL-5KP90A-Moly	90	10	100.0	115.5	5.0	146.0	34	0.110
CELL-5KP100A-Moly	100	10	111.0	128.0	5.0	162.0	31	0.110
CELL-5KP110A-Moly	110	10	122.0	140.5	5.0	177	28	0.110

Note 1: For Bipolar Devices replace A suffix with CA suffix.

Note 2: For Bipolar Devices with V_{SO} of 10 Volts or less, the I_R maximum is doubled.

Note 3: Special Voltages and Special Selections Available

Note 4: Hi-Rel Military Screening Available

Note 5: Higher Voltages Available