

SLP

+ 85°C Low Profile Surface Mount Chip Aluminum Electrolytic Capacitors



"NEW
EXPANDED
SELECTION"

FEATURES

- All Values 4.5 mm in Height
- Solvent Proof
- Operating Voltage Range: 4 WVDC to 50WVDC
- Capacitance Range: .1 μ F to 220 μ F

SPECIFICATIONS

Capacitance Tolerance		±20% at 120Hz, 20°C							
Operating Temperature Range		-40°C to +85°C							
Dissipation Factor 120Hz, 20°C (Max)	WVDC	4	6.3	10	16	25	35	50	
	tan δ	.40	.30	.24	.20	.16	.14	.12	
Impedance Ratio at Low Temperature (120Hz)	-20°C/20°C	7	4	3	2	2	2	2	
	-40°C/20°C	15	10	8	6	4	4	4	
Leakage current	Time	2 minutes							
		.01 CV or 3μA, whichever is greater							
Load Life		1,000 hours at 85°C with rated voltage							
		Capacitance change Dissipation factor Leakage current					25% of initial measured values 200% initial specified value Initial specified value		
Shelf Life		1000 hours at 85°C with no source voltage applied. Units will meet load specifications.							
Resistance to Soldering Heat		Capacitors placed on a 250°C hot plate for 30 seconds with their electrode terminals facing downward will fulfill the following conditions after being cooled to room temperature.							
		Capacitance change Dissipation factor Leakage current					10% of the initial measured value The initial specified value The Initial specified value		

STANDARD PARTS LISTING

Capacitance (μ F)	WVDC	ic [®] PART NUMBER	Maximum E.S.R. Ω 120Hz, +20°C	Maximum RMS Ripple Current (mA) at 120 Hz, +85°C	Dimensions DxL (mm)
0.1	50	104SLP050M	1989.4	1	4x4.5
0.22	50	224SLP050M	904.3	2	4x4.5
0.33	50	334SLP050M	602.9	2.8	4x4.5
0.47	50	474SLP050M	423.28	4	4x4.5
1	50	105SLP050M	198.94	8.4	4x4.5
2.2	50	225SLP050M	90.43	14	4x4.5
3.3	50	335SLP050M	60.29	17	4x4.5
4.7	35	475SLP035M	49.38	18	4x4.5
4.7	50	475SLP050M	42.33	21	5x4.5
10	16	106SLP016M	33.16	23	4x4.5
10	35	106SLP035M	23.21	29	5x4.5
10	50	106SLP050M	19.89	33	6.3x4.5

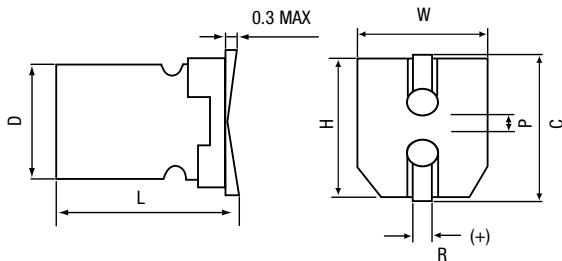
Capacitance (μ F)	WVDC	ic [®] PART NUMBER	Maximum E.S.R. Ω 120Hz, +20°C	Maximum RMS Ripple Current (mA) at 120 Hz, +85°C	Dimensions DxL (mm)
22	6.3	226SLP6R3M	22.61	28	4x4.5
22	16	226SLP016M	15.07	37	5x4.5
22	35	226SLP035M	10.55	49	6.3x4.5
33	4	336SLP004M	20.1	28	4x4.5
33	10	336SLP010M	12.06	41	5x4.5
33	25	336SLP025M	8.04	57	6.3x4.5
47	4	476SLP004M	14.11	33	4x4.5
47	6.3	476SLP6R3M	10.58	45	5x4.5
47	16	476SLP016M	7.06	61	6.3x4.5
100	4	107SLP004M	6.63	56	5x4.5
100	10	107SLP010M	3.98	74	6.3x4.5
220	4	227SLP004M	3.014	96	6.3x4.5

PHYSICAL DIMENSIONS

WVDC (V)	4 (5.2)	6.3 (8)	10 (13)	16 (20)	25 (32)	35 (44)	50 (63)
0.1							4x4.5
0.22							4x4.5
0.33							4x4.5
0.47							4x4.5
1							4x4.5
2.2							4x4.5
3.3							4x4.5
4.7							4x4.5
10							4x4.5
22							4x4.5
33							4x4.5
47							4x4.5
100							4x4.5
220							4x4.5

DxL (mm)

DIMENSIONS



D _{+0.5 MAX}	L	W _{±0.2}	H _{±0.2}	C _{±0.2}	R	P _{±0.2}
4	5.4 _{+0.1/-0.2}	4.3	4.3	5.0	0.5~0.8	1.0
5	5.4 _{+0.1/-0.2}	5.3	5.3	6.0	0.5~0.8	1.4
6.3	5.4 _{+0.1/-0.2}	6.6	6.6	7.3	0.5~0.8	2.2

(mm)