

Aluminum Electrolytic Capacitors

SL Series – PCB Snap-In Terminal Type 105°C 5000Hrs



Specifications

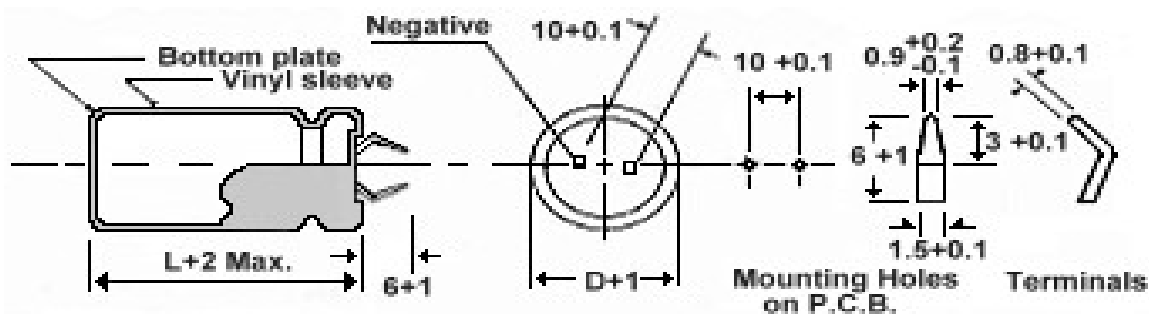
Item	Performance												
Operating Temperature Range	-25 to+105º c												
Rated Working Voltage Range	200 - 450v.DC												
Nominal Capacitance Range	56 - 1200µ F												
Capacitance Tolerance	± 20% (at+20º c ,120Hz)												
Leakage Current	$I \leq 0.01CV$ or 3mA whichever is smaller, after 5 minutes application of rated voltage.												
Dissipation Factor (tan δ) (120Hz\+20º c)	<table><tr><td>Rated Vol.</td><td>200</td><td>250</td><td>350</td><td>400</td><td>450</td></tr><tr><td>Tan δ max</td><td>0.15</td><td>0.15</td><td>0.15</td><td>0.15</td><td>0.15</td></tr></table>	Rated Vol.	200	250	350	400	450	Tan δ max	0.15	0.15	0.15	0.15	0.15
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Characteristics at low temperature (stability at 120 Hz)	<table><tr><td>Rated Voltage V</td><td>200</td><td>250</td><td>350</td><td>400</td><td>450</td></tr><tr><td>-25ºc/+20º c</td><td>4</td><td>4</td><td>4</td><td>8</td><td>8</td></tr></table>	Rated Voltage V	200	250	350	400	450	-25ºc/+20º c	4	4	4	8	8
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-25ºc/+20º c	4	4	4	8	8								
Load life	After 5000hrs. application of DC rated working voltage with rated ripple current at +105º c, the capacitor shall meet the following limits when capacitors are restored to 20º c : <table><tr><td>Leakage current</td><td>≤ the initial specified value</td></tr><tr><td>Capacitance change</td><td>≤ ±25% of initial measured value</td></tr><tr><td>Dissipation Factor(tan δ)</td><td>≤ 250% of initial specified value</td></tr></table>	Leakage current	≤ the initial specified value	Capacitance change	≤ ±25% of initial measured value	Dissipation Factor(tan δ)	≤ 250% of initial specified value						
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Shelf Life	After storage for 1000hrs. at +105º c with no voltage applied, pre-treatment for measurements shall be conducted after application of DC rated voltage for 60 minutes, the capacitors shall meet the same limits as high temperature loading.												

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CINETECH
SYMBOL OF QUALITY

Diagram of Dimensions



Case Size

Max ripple current: mA rms at 105°C. 120Hz

W.V μ F	200								250							
	Φ22		Φ25		Φ30		Φ35		Φ22		Φ25		Φ30		Φ35	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
150	22x20	0.54							22x25	0.57	25x20	0.56				
180	22x20	0.59							22x30	0.66	25x20	0.61				
220	22x25	0.72	25x20	0.71					22x35	0.75	25x25	0.75	30x20	0.77		
270	22x30	0.81	25x25	0.81	30x20	0.83			22x40	0.85	25x30	0.83	30x20	0.79	35x20	0.86
330	22x35	0.92	25x30	0.92	39x20	0.87			22x45	0.96	25x35	0.96	30x30	0.96	35x25	1.02
390	22x40	1.02	25x30	1.01	30x25	1.01	35x20	1.02	22x50	1.08	25x40	1.07	30x30	1.07	35x25	1.12
470	22x50	1.17	25x35	1.15	30x30	1.15	35x20	1.12			25x50	1.22	30x35	1.19	35x30	1.22
560			25x45	1.28	30x35	1.30	35x25	1.31					30x40	1.35	35x35	1.26
680			25x50	1.48	30x40	1.49	35x30	1.47					30x50	1.58	35x40	1.57
820					30x45	1.67	35x35	1.65							35x45	1.75
1000					30x50	1.91	35x40	1.90							35x50	2.02
1200							35x50	2.21								

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W.V μ F	350								400							
	Φ22		Φ25		Φ30		Φ35		Φ22		Φ25		Φ30		Φ35	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
56	22x20	0.32							22x25	0.34	25x20	0.33				
68	22x25	0.39	25x20	0.38					22x30	0.44	25x20	0.37				
82	22x30	0.49	25x20	0.44					22x35	0.50	25x25	0.50	30x20	0.50		
100	22x35	0.55	25x25	0.49	30x20	0.50			22x35	0.56	25x30	0.56	30x20	0.53		
120	22x40	0.63	25x30	0.55	30x20	0.52			22x40	0.65	25x35	0.65	30x25	0.64	35x20	0.65
150	22x45	0.61	25x35	0.60	30x25	0.60	35x20	0.60	22x50	0.80	25x40	0.78	30x25	0.71	35x25	0.78
180	22x50	0.73	25x40	0.72	30x30	0.71	35x25	0.80			25x45	0.90	30x35	0.89	35x30	0.92
220			25x50	0.93	30x35	0.82	35x30	0.83			25x50	1.04	30x40	1.05	35x35	1.08
270					30x40	0.94	35x30	0.83					30x50	1.28	35x40	1.27
330					30x50	1.19	35x40	1.19							35x45	1.47
390							35x45	1.22							35x50	1.68
470							35x50	1.38								

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W.V μ F	450							
	Φ22		Φ25		Φ30		Φ35	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
39	22x25	0.37						
47	22x30	0.41						
56	22x30	0.44						
68	22x35	0.50	25x25	0.47				
82	22x40	0.56	25x30	0.53				
100	22x45	0.64	25x30	0.55	30x25	0.57		
120	22x50	0.72	25x35	0.63	30x30	0.64	35x25	0.71
150			25x40	0.71	30x30	0.71	35x30	0.83
180			25x45	0.78	30x35	0.81	35x35	0.93
220			25x50	0.91	30x40	0.92	35x40	1.07
270					30x45	1.05	35x45	1.22
330							35x50	1.39