

Aluminum Electrolytic Capacitors

SN Series – PCB Snap-In Terminal Type 85°C



Specifications

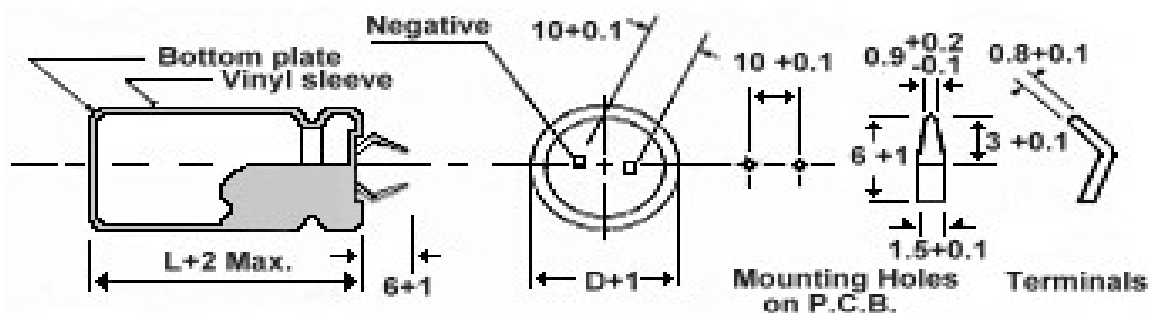
Item	Performance										
Operating Temperature Range	-40 to+85º c						-25 to+85º c				
Rated Working Voltage Range	10 - 100v.DC						160 - 450v.DC				
Nominal Capacitance Range	820 - 82000µ F						270 - 2700µ F				
Capacitance Tolerance	± 20% (at+25º c ,120Hz)										
Leakage Current	I ≤ 0.03CV or 3(µ A) max, whichever is greater after 5 minutes						I ≤0.03CV or 3(µ A) max whichever is greater after 5 minutes				
Dissipation Factor (tan δ) (120Hz\+25º c)											
	Working Vol.	10	16	25	35	50	63	80	100	160-250	315-450
	tan δ max CV≤100,000	0.50	0.40	0.35	0.25	0.25	0.25	0.20	0.20	0.20	0.25
	tan δ max CV>100,000	0.60	0.50	0.40	0.35	0.35	0.30	0.30	0.30	0.20	0.25
	Add 0.02 per 1000 µ F for more than 1000µ F.										
Characteristics at low temperature (stability at 120 Hz)											
	Rated Voltage V		10-100			160-250			315-450		
	-25ºc/+25º c		4			6			8		
	-40c/+25º c		15			-			-		
Load life	After 2000hrs. application of DC rated working voltage at +85º c, The capacitor shall meet the following limits: Post test requirements at +20º c. Load life: 2000hrs										
	Leakage current					≤ the initial specified value					
	Capacitance change					≤ ±20% of initial measured value					
	Dissipation Factor(tan δ)					≤ 200% of initial specified value					
Shelf Life	After storage for 1000hrs. at +85º c with no voltage applied.										
	Post test requirements at +20º c, 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 85°C. 120Hz

W.V μF	10								16							
	$\Phi 22$		$\Phi 25$		$\Phi 30$		$\Phi 35$		$\Phi 22$		$\Phi 25$		$\Phi 30$		$\Phi 35$	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
8200									22x25	2.55						
10000									22x25	2.79						
12000	22x25	2.40							22x30	2.90	25x25	2.95				
15000	22x30	2.80	25x25	2.80					22x35	3.29	25x30	3.46	30x25	3.66		
18000	22x35	3.15	25x25	3.05					22x40	3.72	25x35	3.98	30x25	4.00		
22000	22x40	3.60	25x30	3.50	30x25	3.52			22x50	4.37	25x40	4.26	30x30	4.21	35x25	4.15
27000	22x45	4.04	25x35	3.98	30x30	3.73	35x25	3.73			25x45	4.72	30x35	4.82	35x30	4.65
33000	22x50	4.58	25x40	4.54	30x30	4.13	35x25	4.13			25x50	5.33	30x40	5.36	35x30	5.15
39000			25x45	5.08	30x35	5.05	35x30	4.80					30x45	6.01	35x35	5.95
47000			25x50	5.73	30x40	5.72	35x30	5.27					30x50	6.79	35x40	6.76
56000					30x45	6.44	35x35	6.38							35x45	7.62
68000					30x50	7.27	35x40	7.27							35x50	8.63
82000							35x50	8.49								

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W.V μ F	25								35							
	Φ22		Φ25		Φ30		Φ35		Φ22		Φ25		Φ30		Φ35	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
3900									22x25	2.22						
4700									22x30	2.45	25x25	2.42				
5600	22x25	2.30							22x35	2.76	25x25	2.64				
6800	22x30	2.45	25x25	2.56					22x40	2.80	25x30	2.75	30x25	3.98		
8200	22x35	2.75	25x25	2.80					22x45	3.47	25x35	2.80	30x30	3.16	35x25	2.75
10000	22x40	3.10	25x30	3.15	30x25	3.28			22x50	3.57	25x40	3.12	30x30	3.54	35x25	3.07
12000	22x45	3.48	25x35	3.43	30x30	3.92	35x25	3.54			25x45	3.98	30x35	4.01	35x30	4.02
15000	22x50	4.00	25x40	3.97	30x30	4.00	35x25	3.95			25x50	4.54	30x40	4.58	35x35	4.80
18000			25x45	4.48	30x35	4.46	35x30	4.65					30x45	4.82	35x40	5.54
22000			25x50	5.02	30x45	5.21	35x35	5.18					30x50	5.33	35x45	6.05
27000					30x50	5.94	35x40	5.95							35x50	6.85
33000							35x45	6.75								
39000							35x50	7.56								

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W.V μ F	50								63							
	Φ22		Φ25		Φ30		Φ35		Φ22		Φ25		Φ30		Φ35	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
2200	22x25	1.91							22x30	2.31	25x25	2.30				
2700	22x30	2.20							22x35	2.46	25x30	2.49				
3300	22x30	2.38	25x25	2.38					22x40	2.69	25x30	2.64	30x25	2.78		
3900	22x35	2.70	25x30	2.68	30x25	2.55			22x45	3.10	25x35	2.97	30x30	3.02	35x25	3.00
4700	22x40	3.00	25x35	3.03	30x25	2.89			22x50	3.39	25x40	3.36	30x30	3.35	35x25	3.36
5600	22x45	3.36	25x35	3.37	30x30	3.38	35x25	3.42			25x45	3.77	30x35	3.75	35x30	3.75
6800	22x50	3.88	25x40	3.82	30x35	3.85	35x30	3.85			25x50	4.27	30x40	4.28	35x35	4.15
8200			25x50	4.37	30x40	4.37	35x30	4.41					30x45	4.84	35x35	4.79
10000					30x45	4.97	35x35	4.92					30x50	5.49	35x40	5.47
12000					30x50	5.60	35x40	5.60							35x50	6.19
15000							35x45	6.44								
18000							35x50	6.71								

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W.V μ F	80								100							
	Φ22		Φ25		Φ30		Φ35		Φ22		Φ25		Φ30		Φ35	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
820									22x25	1.86						
1200	22x25	1.70							22x30	2.02	25x25	2.10				
1500	22x30	2.01							22x35	2.41	25x30	2.43	30x25	2.46		
1800	22x35	2.25	25x25	2.26					22x40	2.71	25x35	2.75	30x30	2.65		
2200	22x35	2.44	25x30	2.46	30x25	2.49			22x45	3.08	25x40	3.13	30x30	3.09	35x25	3.14
2700	22x40	2.78	25x35	2.86	30x30	2.91			22x50	3.53	25x45	3.57	30x35	3.55	35x30	3.71
3300	22x45	3.16	25x40	3.21	30x30	3.17	35x25	3.21			25x50	4.06	30x40	4.05	35x35	4.05
3900	22x50	3.52	25x45	3.59	30x35	3.57	35x30	3.50					30x45	4.54	35x35	4.48
4700			25x50	4.05	30x40	4.05	35x30	4.09					30x50	5.13	35x40	5.11
5600					30x45	4.55	35x35	4.51							35x45	5.75
6800					30x50	5.16	35x40	5.14							35x50	6.00
8200							35x45	5.83								
10000							35x50	6.63								

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W.V μ F	160								180							
	Φ22		Φ25		Φ30		Φ35		Φ22		Φ25		Φ30		Φ35	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
270									22x25	1.21						
330	22x25	1.35							22x30	1.45						
390	22x25	1.46							22x30	1.52	25x25	1.52				
470	22x30	1.68	25x25	1.72					22x35	1.75	25x30	1.75				
560	22x35	1.92	25x30	1.93					22x40	1.98	25x30	1.96	30x25	1.96		
680	22x40	2.18	25x30	2.12	30x25	2.17			22x45	2.22	25x35	2.20	30x25	2.23		
820	22x5	2.45	25x35	2.44	30x30	2.47	35x25	2.50	22x50	2.50	25x40	2.49	30x30	2.54	35x25	2.51
1000	22x50	2.80	25x40	2.73	30x30	2.76	35x30	2.80			25x45	2.78	30x35	2.86	35x30	2.96
1200			25x45	3.12	30x35	3.12	35x30	3.21			25x50	3.23	30x40	3.23	35x35	3.28
1500			25x50	3.70	30x45	3.71	35x35	3.68					30x50	3.83	35x40	3.80
1800					30x50	4.18	35x40	4.10							35x45	4.33
2200							35x45	4.70							35x50	4.95
2700							35x50	5.28								

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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
180									22x25	1.04						
220									22x25	1.15						
270	22x25	1.27							22x30	1.31	25x25	1.32				
330	22x30	1.44	25x25	1.45					22x35	1.49	25x30	1.50	30x25	1.50		
390	22x30	1.62	25x30	1.62					22x40	1.67	25x30	1.73	30x25	1.65		
470	22x35	1.78	25x30	1.86	30x25	1.80			22x45	1.88	25x35	2.00	30x30	1.88	35x25	1.87
560	22x40	2.02	25x35	2.03	30x25	2.05			22x50	2.10	25x40	2.09	30x35	2.12	35x25	2.04
680	22x45	2.32	25x40	2.30	30x30	2.28	35x25	2.30			25x50	2.42	30x40	2.42	35x30	2.43
820	22x50	2.65	25x45	2.58	30x30	2.60	35x30	2.60					30x45	2.75	35x35	2.76
1000			25x50	2.95	30x35	2.98	35x30	2.95					30x50	3.30	35x40	3.30
1200					30x40	3.40	35x35	3.40							35x45	3.51
1500					30x50	3.89	35x40	3.85							35x50	4.02
1800							35x45	4.37								
2200							35x50	5.00								

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W.V μ F	315								350							
	Φ22		Φ25		Φ30		Φ35		Φ22		Φ25		Φ30		Φ35	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
100									22x25	0.84						
120	22x25	0.90							22x30	0.98	25x25	0.98				
150	22x30	1.06	25x25	1.08					22x35	1.12	25x25	1.08				
180	22x35	1.15	25x25	1.31					22x40	1.25	25x30	1.22	30x25	1.26		
220	22x40	1.38	25x30	1.40	30x25	1.35			22x45	1.42	25x35	1.42	30x30	1.42	35x25	1.40
270	22x45	1.55	25x35	1.59	30x30	1.56	35x25	1.58	22x50	1.60	25x40	1.60	30x35	1.62	35x25	1.60
330	22x50	1.80	25x40	1.78	30x30	1.78	35x25	1.80			25x50	1.86	30x35	1.82	35x30	1.85
390			25x45	1.98	30x35	1.96	35x30	2.00					30x40	2.05	35x30	2.01
470			25x45	2.20	30x40	2.25	35x30	2.22					30x50	2.40	35x35	2.32
560					30x45	2.56	35x35	2.49							35x40	2.58
680					30x50	2.87	35x40	2.86							35x45	2.95
820							35x45	3.24							35x50	3.03
1000							35x50	3.40								

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W.V μ F	400								450							
	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									22x25	0.62						
68									22x25	0.68						
82	22x25	0.76							22x30	0.80	25x25	0.80				
100	22x30	0.88	25x25	0.88					22x35	0.90	25x25	0.88				
120	22x35	1.00	25x25	0.95					22x40	1.00	25x30	1.00	30x25	1.00		
150	22x40	1.14	25x30	1.10	30x25	1.14			22x45	1.15	25x35	1.14	30x30	1.14	35x25	1.14
180	22x45	1.30	25x35	1.28	30x30	1.35	35x25	1.30	22x50	1.28	25x40	1.28	30x35	1.30	35x25	1.28
220	22x45	1.48	25x40	1.45	30x30	1.45	35x25	1.45			25x50	1.50	30x40	1.50	35x30	1.50
270	22x50	1.64	25x45	1.66	30x35	1.65	35x30	1.65					30x45	1.76	35x35	1.70
330			25x50	1.85	30x40	1.88	35x30	1.85					30x50	2.00	35x40	1.98
390					30x45	2.10	35x35	2.05							35x45	2.22
470					30x50	2.38	35x40	2.36							35x50	2.50
560							35x45	2.68								
680							35x50	2.95								