

ALUMINUM ELECTROLYTIC CAPACITORS

SWR 85°C 螺絲型品
85°C Screw Terminal Series

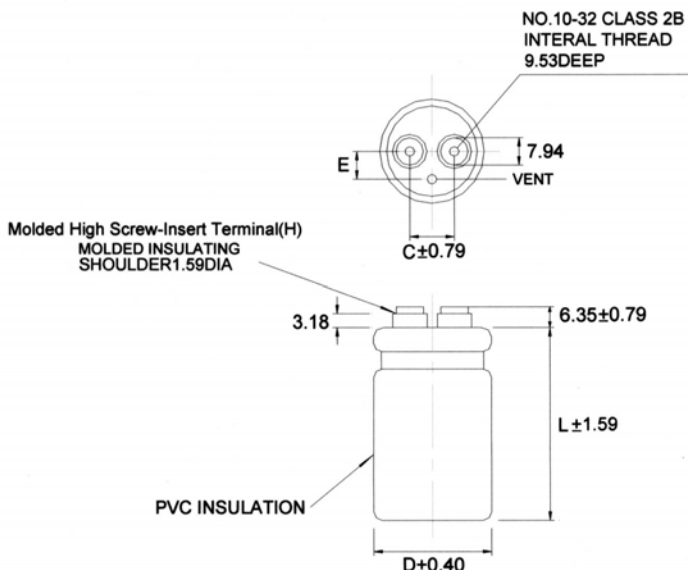
- 螺絲型端子 85°C耐高漣波品, 適用於各種設備及儀器
- 產品壽命保證 2,000 小時/85°C
- High ripple current suitable for industrial equipment.
- Life guaranteed 2,000hrs./85°C.



• Specifications

Item	Performance Characteristics												
Operating Temperature range 使用溫度範圍	-40 + 85°C						-25 + 85°C						
Rated Voltage 額定電壓	10V ~ 100V						160V ~ 450V						
Capacitance Range 容量範圍	330 ~ 100,000 µF												
Capacitance Tolerance 靜電容量容許差	±20% (120Hz, 20°C)												
Leakage Current 洩漏電流	I ≤ 0.02CV or 5 mA, whichever is greater after 5 minutes application of rated voltage.												
Dissipation Factor 散逸係數 (120Hz, 20°C)	Case dia. \ WV	10	16	25	35	50	63	80	100	160~250	350~450		
	35φ	0.8	0.7	0.45	0.45	0.30	0.25	0.25	0.20	0.15	0.25		
	50φ	1.0	1.0	0.6	0.6	0.45	0.35	0.30	0.20	0.15	0.25		
	65φ	2.0	1.3	0.8	0.7	0.5	0.4	0.35	0.25	0.20	0.25		
	76φ	3.0	2.0	1.2	0.9	0.7	0.5	0.40	0.35	0.25	0.25		
Temperature Characteristics 溫度特性 (120Hz)	Impedance Ratio / Stability at Low Temperature												
	Rated voltage (V)	10 ~ 100						160 ~ 450					
	Z (-25°C) / Z (20°C)	-						8					
	Z (-40°C) / Z (20°C)	12						-					
Load Life 高溫負荷特性	After 2,000 hours application of WV at 85°C, capacitor shall meet the characteristics requirements mentioned below.												
	Capacitance change	Within ±20% of initial value											
	Tan δ	200% or less of initial specified value											
	Leakage current	Initial specified value or less											
Shelf Life 擺置壽命	After leaving capacitors under no load at 85°C for 1,000 hours and applying voltage according to JIS C5102 and C5141, they shall meet the specified value as load life characteristics listed above.												

• Dimension



Diameter	E	C
35φ	7.9	12.7
50φ	12.7	22.23
65φ	15.8	28.58
76φ	19.0	31.75

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● Size & ripple current

Unit: DxL(mm)

Cap(μF) \ WV	10		16		25		35		50	
3300							35 x 50	3.50	35 x 50	3.70
4700					35 x 50	3.50	35 x 50	3.90	35 x 55	4.10
6800			35 x 50	3.60	35 x 50	3.80	35 x 60	4.50	35 x 55	4.00
8200			35 x 50	3.80	35 x 55	4.10	35 x 60	4.80	35 x 67	5.30
10000	35 x 50	3.50	35 x 50	4.00	35 x 60	4.80	35 x 80	5.60	35 x 80	5.80
15000	35 x 50	4.00	35 x 60	4.70	35 x 80	5.40	35 x 80	6.60	35 x 105	6.80
22000	35 x 50	4.60	35 x 80	5.60	35 x 80	7.00	35 x 92	8.00	35 x 130	8.00
33000	35 x 55	5.20	50 x 80	7.00	50 x 80	8.00	50 x 80	8.50	50 x 90	8.60
47000	35 x 55	5.80	50 x 80	7.80	50 x 80	8.70	50 x 90	9.30	50 x 117	9.70
68000	35 x 80	7.30	65 x 80	8.40	65 x 80	9.80	65 x 80	10.90	65 x 105	11.00
100000	35 x 92	8.80	65 x 80	9.10	65 x 92	11.00	65 x 105	12.10	65 x 143	15.60

Cap(μF) \ WV	63		75		100		160		200	
330							35 x 50	1.40	35 x 55	1.60
470							35 x 50	1.60	35 x 55	2.00
680							35 x 60	2.00	35 x 67	2.60
1000					35 x 50	2.60	35 x 80	2.80	35 x 92	3.20
1500					35 x 50	3.10	50 x 80	3.80	50 x 80	4.00
2200					35 x 80	3.70	50 x 80	4.60	50 x 80	4.60
3300	35 x 55	3.80	35 x 55	3.80	50 x 80	4.60	65 x 80	5.50	65 x 80	5.20
4700	35 x 60	4.90	35 x 67	5.20	50 x 80	5.40	65 x 105	6.20	65 x 105	8.70
6800	35 x 67	5.50	35 x 80	6.80	65 x 80	6.00	65 x 105	7.00	65 x 130	10.70
8200	35 x 80	6.00	35 x 92	7.40	65 x 80	6.30	65 x 130	9.20	76 x 105	12.80
10000	35 x 92	6.50	50 x 67	8.00	65 x 105	6.50	76 x 105	12.70	76 x 130	13.50
15000	50 x 80	7.00	50 x 80	9.60						
22000	50 x 95	8.00	65 x 80	15.90						
33000	50 x 105	9.00	65 x 105	20.70						
47000	65 x 105	15.50	76 x 105	23.50						
68000	65 x 143	18.30	76 x 143	28.20						
100000	76 x 143	28.20	76 x 194	38.60						

Cap(μF) \ WV	250		350		400		450	
330	35 x 50	1.50	35 x 80	2.0	35 x 80	1.68	35 x 80	1.91
470	35 x 60	1.80	35 x 80	2.60	50 x 54	2.40	50 x 67	2.80
680	35 x 105	2.90	50 x 80	2.90	50 x 80	3.20	50 x 80	3.40
1000	50 x 80	3.20	50 x 105	3.50	50 x 105	4.70	50 x 117	5.10
1500	50 x 80	4.00	50 x 117	4.90	50 x 130	5.90	50 x 143	6.20
2200	65 x 105	5.00	65 x 105	5.00	76 x 105	8.00	65 x 130	8.70
3300	76 x 105	6.00	76 x 114	6.00	76 x 117	10.00	76 x 130	10.70
4700	76 x 114	7.00	76 x 114	10.20	76 x 149	12.40		
6800	76 x 119	12.20	76 x 194	14.30	76 x 168	13.50		
8200	76 x 130	13.30	76 x 219	17.60				
10000	76 x 149	14.90					Case Size	ripple

Ripple (A) at 85°C 120Hz