

ALUMINUM ELECTROLYTIC CAPACITORS

TH

Miniature and general purpose
Series

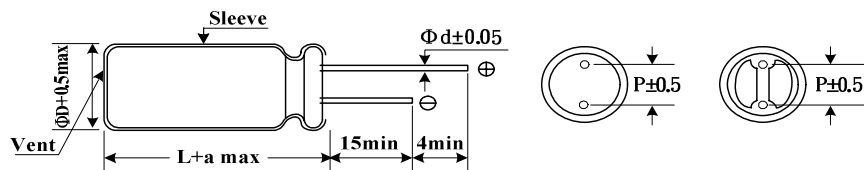
- Features: 105°C 2000 hours
- Recommended Applications: For high quality , reliability application, high CV product
- Suitable for slim application
- Corresponding product to RoHS



Specifications

Item	Characteristics		
Operating Temperature Range	-25~+105℃		
Rated Voltage Range	250 ~ 450VDC		
Rated Capacitance Range	10 ~ 150μF		
Capacitance Tolerance	± 20 % at 120Hz , 20℃		
Leakage Current (MAX)(20℃)	I=0.03CV+10(μ A) ,After rated voltage applied for 2 minutes		
Dissipation Factor (MAX) (tan δ) (120Hz ,20℃)	WV	250	350~450
	tan δ	0.15	0.20
Low Temperature Stability Impedance Ratio (MAX)	WV Z(120Hz)	250	350~450
	Z-25℃ / Z+20℃	4	6
Endurance	After applying rated voltage for 2000 hours at 105℃ the capacitors shall meet the following requirements.		
	Capacitance Change	Within ± 20 % of initial value	
	Dissipation Factor	Not more than 200% of the specified value	
	Leakage Current	initial specified value or less	
Shelf Life	After leaving capacitors under no load at 105℃ for 1000 hours. the capacitors shall meet the same requirement as Endurance.		

Diagram of Dimensions



ϕD	8	10.0	12.5
p	3.5	5.0	5.0
ϕd	0.6	0.6	0.6
a	2.0	2.0	2.5

Multiplier for Ripple Current

Frequency coefficient

Frequency (Hz)	120	300	1K	10K
160 ~ 450V ALL Cap (μF)	1.00	1.25	1.40	1.60

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■Dimensions, Rated Ripple Current

Capacitance (μ F)	Rated (Surge) Voltage									
	250 (300)		350 (400)		400 (450)		420(470)		450 (500)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
10										
12									8x30	115
15			8x30	140	8x35	170	8x35	150	8x35	135
22	8x30	200	8x35	180	8x40	220	8x40	195	8x42	190
									10x30	190
27	8x35	215	8x40	210	8x45	250	8x45	220	8x45	210
					10x35	250	10x35	220	10x35	210
33	8x35	240	8x42	240	8x50	295	8x50	285	8x52	290
					10x40	295	10x40	285	10x42	290
39	8x40	260	10x40	280	8x52	320	10x42	310	10x45	320
	10x30	275			10x40	320	12.5x35	320	12.5x40	330
47	8x45	310	10x45	325	10x45	355	10x45	350	10x50	360
					12.5x40	365	12.5x40	350	12.5x42	370
56	10x40	350	10x50	380	10x50	405	10x52	390	12.5x45	415
					12.5x40	405	12.5x42	390		
68	10x40	400	12.5x40	430	10x55	460	12.5x45	450	12.5*50	475
					12.5x45	460				
82	10x45	450	12.5x45	500	12.5x50	525	12.5x52	535	12.5x55	535
100	10x50	525	12.5x50	630	12.5x55	620				
150	12.5x45	725								

☆ Size: D ϕ x L (mm) ☆ Ripple Current: (mA/rms). 105°C, 120Hz