

ALUMINUM ELECTROLYTIC CAPACITORS

TG

High Ripple and long life
Series

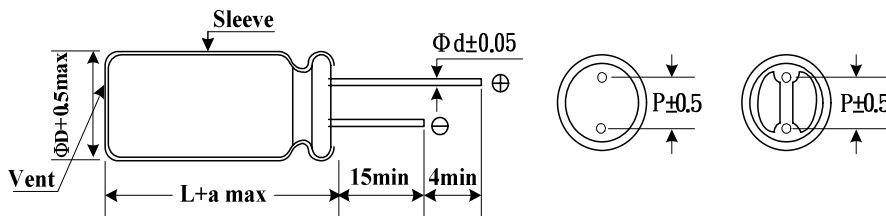
- Features: High temperature life time 5000 hours at 105°C
- Recommended Applications : High ripple current for Electronic Ballast , Power Supply...etc
- Suitable for slim application
- Corresponding product to RoHS



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=0.06CV + 10(μ A) , (After rated voltage applied for 2 minutes)				
Dissipation Factor (MAX) (tan δ) (120Hz ,20℃)	WV	250	350	400	420 、 450
	tan δ	0.15	0.20	0.24	0.24
Low Temperature Stability Impedance Ratio (MAX)	WV Z (120Hz)	250	350	400	420 、 450
	Z-25℃ / Z+20℃	3	5	5	6
Endurance	After applying rated voltage with rated ripple current for 5000 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 placed at 105℃ without voltage applied for 1000 hours, the capacitors shall meet the same requirement as Endurance.				

Diagram of Dimensions



ϕD	8	10	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)	50,60	120	300	1K	10K~100K
Coefficient	0.80	1.00	1.20	1.40	1.60

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■ Dimensions, Rated Ripple Current

Capacitance (μF)	Rated (Surage) Voltage									
	250 (300)		350 (400)		400 (450)		420 (470)		450(500)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
10										
12									8x35	110
15			8x35	120	8x35	110	8x35	105	8x40	130
22	8x30	130	8x40	150	8x40	140	8x40	135	8x45	165
									10x35	165
27	8x32	150	8x45	170	8x45	165	8x45	155	8x52	195
					10x35	165	10x35	155	10x40	195
33	8x35	170	8x50	200	8x50	190	8x50	185	10x45	230
					10x40	190	10x40	185	12.5x35	230
39	8x42	200	10x45	235	10x45	220	10x45	215	10x50	265
							12.5x35	215	12.5x40	265
47	8x45	220	10x50	270	10x50	255	10x50	245	10x52	295
					12.5x40	255	12.5x40	245	12.5x45	310
56	10x42	300	12.5x40	300	12.5x45	300	12.5x45	290	12.5x50	355
68	10x45	330	12.5x45	350	12.5x50	350	12.5x50	335	12.5x55	410
82	10x50	390	12.5x50	400	12.5x55	400	12.5x55	385		
100	12.5x42	440	12.5x55	460						
120	12.5x45	490								
150	12.5x50	560								

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