

ALUMINUM ELECTROLYTIC CAPACITORS

TP

Miniature and long life Series

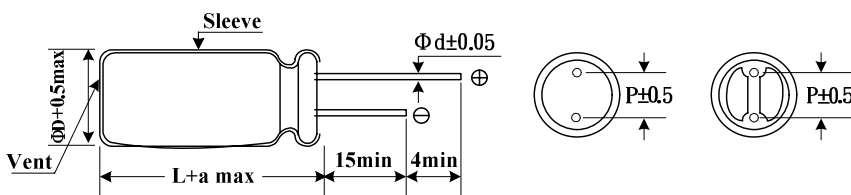


- Features: High temperature and long life at 105°C for 8000 to 10000 hours
- Recommended Applications: Applicable for Electronic Ballast
- Suitable for slim application
- Corresponding product to RoHS

Specifications

Item	Characteristics					
Operating Temperature Range	-40~+105°C			-25~+105°C		
Rated Voltage Range	160 ~ 400VDC			450VDC		
Rated Capacitance Range	10 ~ 330µF					
Capacitance Tolerance	± 20 % at 120Hz , 20°C					
Leakage Current(MAX)(20°C)	I=0.04CV + 100(µA) ,(After rated voltage applied for 2 minutes)					
Dissipation Factor (MAX) (tan δ) (120Hz ,20°C)	WV	160	200	250	400	420 · 450
	tan δ	0.20	0.20	20	0.24	0.24
Low Temperature Stability Impedance Ratio (MAX)	Z(120Hz)	160	200	250	400	420 · 450
	Z-25°C / Z+20°C	3	3	3	5	6
	Z-40°C / Z+20°C	6	6	6	6	—
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the max ripple current is applies for 10000 hours (8000 hours for φ 10) at 105°C.					
	Capacitance Change	Within ± 20 % of initial value				
	Dissipation Factor	Not more than 200% of the specified value				
Shelf Life	After placed at 105°C without voltage applied for 1000 hours,					
	the capacitors shall meet the same requirement as Endurance.					

Diagram of Dimensions



φ D	10	12.5
P	5.0	5.0
φ d	0.6	0.6
a	2.0	2.5

Multiplier for Ripple Current

Frequency coefficient

Frequency (Hz)	120	1K	10K	100K
Coefficient	1.0	1.6	1.8	2.0

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■ Dimensions, Rated Ripple Current

Capacitance (μF)	Rated (Surge) Voltage												
	160 (200)		200 (250)		250(300)		400(450)		420(470)		450(500)		
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	
10													
22											10×40	250	
27									10×40	200	10×42	270	
33									10×45	235	10×45	300	
39								10×45	260	10×50	270	10×50	340
												12.5×40	350
47								12.5×40	310	12.5×42	310	12.5×45	420
56								10×52	340	12.5×45	330	12.5×50	480
								12.5×45	360				
68								12.5×50	400	12.5×50	390	12.5×55	530
82						10×52	390	12.5×55	460	12.5×55	450		
100			10×45	330	12.5×42	470							
120			10×50	430	12.5×45	480							
150	10×45	410	12.5×45	510	12.5×50	540							
180	10×50	470	12.5×50	590	12.5×55	650							
220	12.5×45	550	12.5×52	650									
270	12.5×50	640	12.5×55	750									
330	12.5×55	740											

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