

Rubycon**MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS****KXW****KXW SERIES****◆FEATURES**

- Load Life : 105°C 2000 hours.
- Body diameter of ϕ 10mm to ϕ 18mm with high ripple current capability.
- This series is one class smaller than the current AXW series.
- For switching adapter.
- RoHS compliance.

**◆SPECIFICATIONS**

Items	Characteristics															
Category Temperature Range	-25~+105℃															
Rated Voltage Range	200・400・420・450V.DC															
Capacitance Tolerance	±20% (20℃, 120Hz)															
Leakage Current(MAX)	$I=3\sqrt{CV}$ (After 5 minutes application of rated voltage) I =Leakage Current(μ A) C =Rated Capacitance(μ F) V =Rated Voltage(V)															
Dissipation Factor(MAX) (tan δ)	<table><tr><td>Rated Voltage (V)</td><td>200</td><td>400</td><td>420~450</td></tr><tr><td></td><td>0.12</td><td>0.15</td><td>0.20</td></tr></table>	Rated Voltage (V)	200	400	420~450		0.12	0.15	0.20	(20℃, 120Hz)						
Rated Voltage (V)	200	400	420~450													
	0.12	0.15	0.20													
Endurance	After applying rated voltage with rated ripple current for 2000hrs at 105℃, the capacitors shall meet the following requirements. <table><tr><td>Capacitance Change</td><td colspan="3">Within ±20% of the initial value.</td></tr><tr><td>Dissipation Factor</td><td colspan="3">Not more than 200% of the specified value.</td></tr><tr><td>Leakage Current</td><td colspan="3">Not more than the specified value.</td></tr></table>				Capacitance Change	Within ±20% of the initial value.			Dissipation Factor	Not more than 200% of the specified value.			Leakage Current	Not more than the specified value.		
Capacitance Change	Within ±20% of the initial value.															
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Leakage Current	Not more than the specified value.															
Impedance Ratio(MAX)	<table><tr><td>Rated Voltage (V)</td><td>200</td><td>400~450</td></tr><tr><td>Z(-25℃)/Z(20℃)</td><td>3</td><td>8</td></tr></table>	Rated Voltage (V)	200	400~450	Z(-25℃)/Z(20℃)	3	8	(120Hz)								
Rated Voltage (V)	200	400~450														
Z(-25℃)/Z(20℃)	3	8														

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

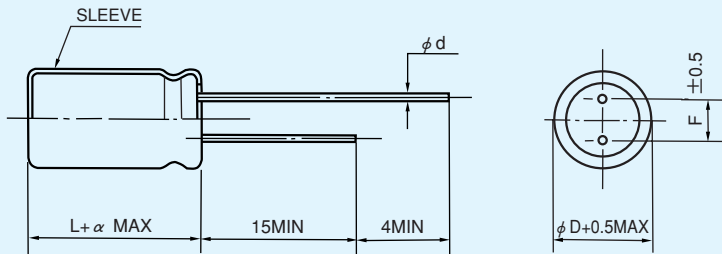
Frequency (Hz)	60(50)	120	500	1k	10k≤
Coefficient					
200WV	0.8	1.0	1.20	1.30	1.40
400~450WV	0.8	1.0	1.25	1.40	1.50

◆PART NUMBER

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Rated Voltage	KXW Series	Rated Capacitance	Capacitance Tolerance	Option	Lead Forming	D×L Case Size

◆DIMENSIONS

(mm)



φ D	10	12.5	14.5	16	18
φ d	0.6		0.8		
F	5.0		7.5		
α	2.0				

◆STANDARD SIZE, RATED RIPPLE CURRENT

WV Cap(μF)	φ D	200					400				
		φ 10	φ 12.5	φ 14.5	φ 16	φ 18	φ 10	φ 12.5	φ 14.5	φ 16	φ 18
27							10X30: 0.24				
33							10X35: 0.28				
39							10X40: 0.32				
47								12.5X30: 0.37			
56								12.5X35: 0.42			
68								12.5X40: 0.48	14.5X30: 0.48		
82		10X30: 0.40							14.5X35: 0.52		
100		10X35: 0.46							14.5X40: 0.58	16X30: 0.58	
120		10X40: 0.53								16X35: 0.67	18X30: 0.67
150			12.5X30: 0.62							16X40: 0.77	18X35: 0.77
180			12.5X35: 0.70								18X40: 0.88
220			12.5X40: 0.80	14.5X30: 0.80							18X45: 1.00
270				14.5X35: 0.87	16X30: 0.87						
330					16X35: 1.01	18X30: 1.01					
390					16X40: 1.13	18X35: 1.13					
470						18X40: 1.27					
560						18X45: 1.39					

WV Cap(μF)	φ D	420					450				
		φ 10	φ 12.5	φ 14.5	φ 16	φ 18	φ 10	φ 12.5	φ 14.5	φ 16	φ 18
18							10X30: 0.18				
22		10X30: 0.20					10X35: 0.21				
27		10X35: 0.23					10X40: 0.25				
33		10X40: 0.27						12.5X30: 0.28			
39			12.5X30: 0.31					12.5X35: 0.32			
47			12.5X35: 0.36					12.5X40: 0.38	14.5X30: 0.38		
56			12.5X40: 0.43	14.5X30: 0.43					14.5X35: 0.44	16X30: 0.44	
68				14.5X35: 0.51	16X30: 0.51				14.5X40: 0.49	16X35: 0.49	
82				14.5X40: 0.57	16X35: 0.57					16X40: 0.55	18X30: 0.55
100					16X40: 0.61	18X30: 0.61					18X35: 0.65
120						18X35: 0.66					18X40: 0.74
150						18X40: 0.71					18X45: 0.80

Please check with us about individual WV, Cap., size and dimensions.

Size φ D×L(mm) ↑
Ripple Current (A r.m.s./120Hz, 105°C) ↑