

**KXW SERIES**
**◆ FEATURES**

- Load Life : 105°C 2000 hours.
- Body diameter of φ10mm to φ18mm 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°C										
Rated Voltage Range	200 · 400 · 420 · 450V.DC										
Capacitance Tolerance	±20% (20°C, 120Hz)										
Leakage Current(MAX)	$I=3\sqrt{CV}$ (After 5 minutes application of rated voltage) I=Leakage Current(μA)      C=Rated Capacitance(μF)      V=Rated Voltage(V)										
Dissipation Factor(MAX) (tanδ)	<table border="1"> <thead> <tr> <th>Rated Voltage (V)</th> <th>200</th> <th>400</th> <th>420 ~ 450</th> <th>(20°C, 120Hz)</th> </tr> </thead> <tbody> <tr> <td>tanδ</td> <td>0.12</td> <td>0.15</td> <td>0.20</td> <td></td> </tr> </tbody> </table>	Rated Voltage (V)	200	400	420 ~ 450	(20°C, 120Hz)	tanδ	0.12	0.15	0.20	
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Endurance	After applying rated voltage with rated ripple current for 2000hrs at 105°C, the capacitors shall meet the following requirements. <table border="1"> <tbody> <tr> <td>Capacitance Change</td> <td>Within ±20% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> </tbody> </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.				
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**◆ 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**

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

**◆ DIMENSIONS**

(mm)

φD	10	12.5	14.5	16	18
φd	0.6		0.8		
F	5.0		7.5		
α	2.0				

**◆ STANDARD SIZE, RATED RIPPLE CURRENT**

WV Cap(μF)	φD	200					400				
		φ10	φ12.5	φ14.5	φ16	φ18	φ10	φ12.5	φ14.5	φ16	φ18
27							10 x 30 : 0.24				
33							10 x 35 : 0.28				
39							10 x 40 : 0.32				
47								12.5 x 30 : 0.37			
56								12.5 x 35 : 0.42			
68								12.5 x 40 : 0.48	14.5 x 30 : 0.48		
82	10 x 30	0.40							14.5 x 35 : 0.52		
100	10 x 35	0.46							14.5 x 40 : 0.58	16 x 30 : 0.58	
120	10 x 40	0.53								16 x 35 : 0.67	18 x 30 : 0.67
150			12.5 x 30 : 0.62							16 x 40 : 0.77	18 x 35 : 0.77
180			12.5 x 35 : 0.70								18 x 40 : 0.88
220			12.5 x 40 : 0.80	14.5 x 30 : 0.80							18 x 45 : 1.00
270				14.5 x 35 : 0.87	16 x 30 : 0.87						
330					16 x 35 : 1.01	18 x 30 : 1.01					
390					16 x 40 : 1.13	18 x 35 : 1.13					
470						18 x 40 : 1.27					
560						18 x 45 : 1.39					

WV Cap(μF)	φD	420					450				
		φ10	φ12.5	φ14.5	φ16	φ18	φ10	φ12.5	φ14.5	φ16	φ18
18							10 x 30 : 0.18				
22	10 x 30	0.20					10 x 35 : 0.21				
27	10 x 35	0.23					10 x 40 : 0.25				
33	10 x 40	0.27						12.5 x 30 : 0.28			
39			12.5 x 30 : 0.31					12.5 x 35 : 0.32			
47			12.5 x 35 : 0.36					12.5 x 40 : 0.38	14.5 x 30 : 0.38		
56			12.5 x 40 : 0.43	14.5 x 30 : 0.43					14.5 x 35 : 0.44	16 x 30 : 0.44	
68				14.5 x 35 : 0.51	16 x 30 : 0.51				14.5 x 40 : 0.49	16 x 35 : 0.49	
82				14.5 x 40 : 0.57	16 x 35 : 0.57					16 x 40 : 0.55	18 x 30 : 0.55
100					16 x 40 : 0.61	18 x 30 : 0.61					18 x 35 : 0.65
120						18 x 35 : 0.66					18 x 40 : 0.74
150						18 x 40 : 0.71					18 x 45 : 0.80

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

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