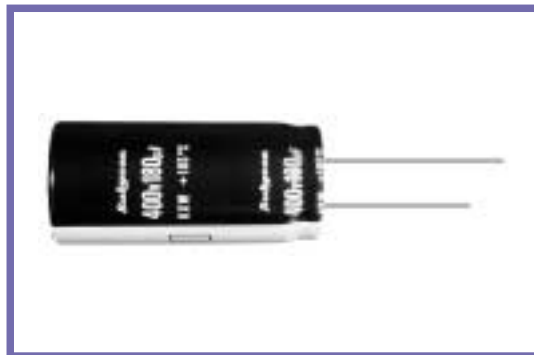


**KXW SERIES**
**◆FEATURES**

- Load Life : 105°C 2000 hours.
- Body diameter of  $\phi$  10mm to  $\phi$  18mm with high ripple current capability.
- This series is one class smaller than the current AXW series.
- For switching adapter.
- Expanded rated voltage range.


**◆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( $\mu$ A) $C$ =Rated Capacitance( $\mu$ F) $V$ =Rated Voltage(V)								
Dissipation Factor(MAX)	<table border="1"> <thead> <tr> <th>Rated Voltage(V)</th> <th>200</th> <th>400</th> <th>420~450</th> </tr> </thead> <tbody> <tr> <td><math>\tan \delta</math></td> <td>0.12</td> <td>0.15</td> <td>0.20</td> </tr> </tbody> </table> (20°C, 120Hz)	Rated Voltage(V)	200	400	420~450	$\tan \delta$	0.12	0.15	0.20
Rated Voltage(V)	200	400	420~450						
$\tan \delta$	0.12	0.15	0.20						
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.		
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.								
Impedance Ratio(MAX)	<table border="1"> <thead> <tr> <th>Rated Voltage(V)</th> <th>200</th> <th>400~450</th> </tr> </thead> <tbody> <tr> <td><math>Z(-25^\circ\text{C})/Z(20^\circ\text{C})</math></td> <td>3</td> <td>8</td> </tr> </tbody> </table> (120Hz)	Rated Voltage(V)	200	400~450	$Z(-25^\circ\text{C})/Z(20^\circ\text{C})$	3	8		
Rated Voltage(V)	200	400~450							
$Z(-25^\circ\text{C})/Z(20^\circ\text{C})$	3	8							

**◆MULTIPLIER FOR RIPPLE CURRENT**

Frequency coefficient

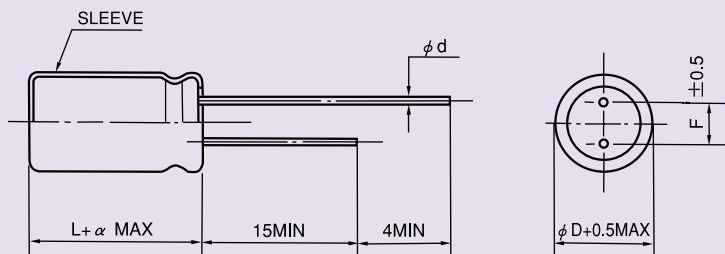
Frequency (Hz)		60 (50)	120	500	1k	10k $\leq$
Coefficient	200WV	0.8	1.0	1.20	1.30	1.40
	400~450WV	0.8	1.0	1.25	1.40	1.50

**◆PART NUMBER**

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

## ◆ DIMENSIONS

(mm)



$\phi D$	10	12.5	14.5	16	18
$\phi d$	0.6		0.8		
F	5.0		7.5		
$\alpha$	2.0				

## ◆ STANDARD SIZE, RATED RIPPLE CURRENT

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

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

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

Size  $\phi D \times L$ (mm) ↑  
Ripple Current (A r.m.s./120Hz, 105°C) ↑

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