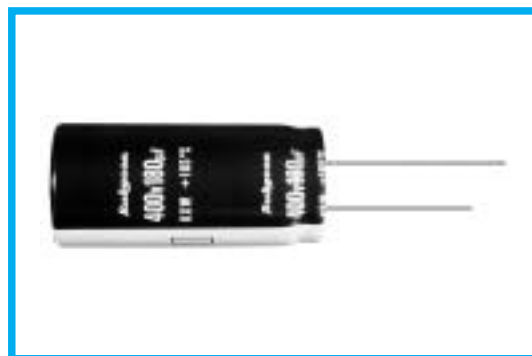


KXW SERIES
◆FEATURES

- 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°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(μ A) C =Rated Capacitance(μ F) V =Rated Voltage(V)								
Dissipation Factor(MAX) (tan δ)	<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></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		0.12	0.15	0.20
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	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 \pm20% 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 \pm 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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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>$Z(-25^\circ\text{C})/Z(20^\circ\text{C})$</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		
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◆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	□□□□□	□	□□□	□□	DXL
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 ϕD	200					400				
	$\phi 10$	$\phi 12.5$	$\phi 14.5$	$\phi 16$	$\phi 18$	$\phi 10$	$\phi 12.5$	$\phi 14.5$	$\phi 16$	$\phi 18$
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 ϕD	420					450				
	$\phi 10$	$\phi 12.5$	$\phi 14.5$	$\phi 16$	$\phi 18$	$\phi 10$	$\phi 12.5$	$\phi 14.5$	$\phi 16$	$\phi 18$
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 $\phi D \times L$ (mm) ↑
Ripple Current (A r.m.s./120Hz, 105°C) ↑