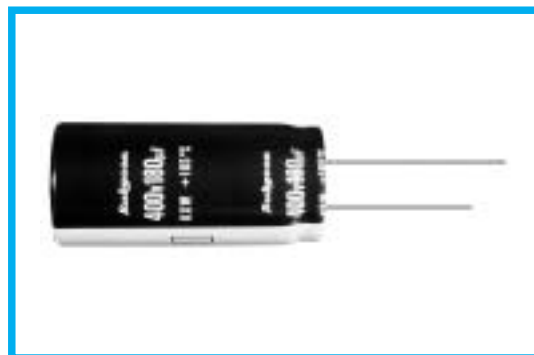


KXW SERIES

◆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√CV（After 5 minutes application of rated voltage） I=Leakage Current（μA）C=Rated Capacitance（μF）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.															
Dissipation Factor	Not more than 200% of the specified value.															
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

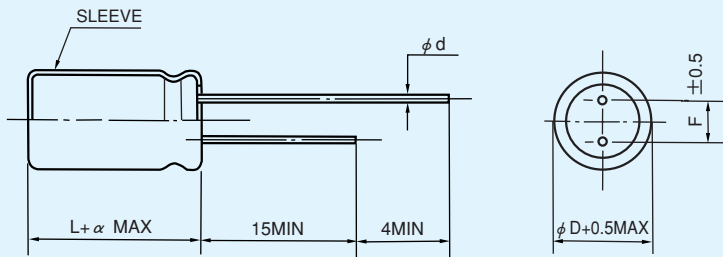
Frequency (Hz)		60 (50)	120	500	1k	10k $\leq$
Coefficient	200WV	0.8	1.0	1.20	1.30	1.40
	400~450WV	0.8	1.0	1.25	1.40	1.50

◆PART NUMBER

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

◆ DIMENSIONS

(mm)



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

Cap(μF)	WV 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					

Cap(μF)	WV 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)