

## KXW SERIES

## 105°C Miniaturized

## ◆ 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)									
(tanδ) Dissipation Factor(MAX)	Rated Voltage(V)	200	400	420~450 (20°C, 120Hz)						
	tan δ	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"><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></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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Dissipation Factor	Not more than 200% of the specified value.									
Leakage Current	Not more than the specified value.									
Impedance Ratio(MAX)	Rated Voltage(V)	200	400~450 (120Hz)	Z(-25°C)/Z(20°C)						
	Z(-25°C)/Z(20°C)	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
	400~450WV	0.8	1.0	1.25	1.40

## ◆ PART NUMBER

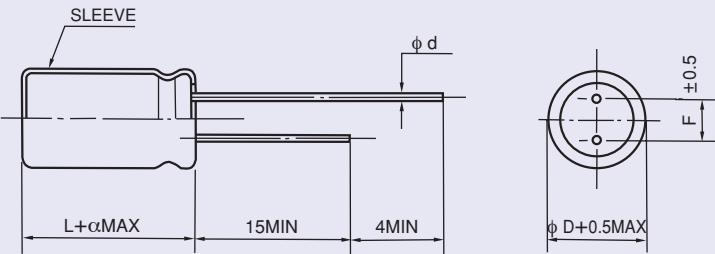
□□□	KXW	□□□□□	□	□□□	□□	DXL
Rated Voltage	Series	Rated Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

## ◆ OPTION

Code	
PET Sleeve	EFC
PVC Sleeve	Blank

## ◆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

Cap(μF) \ WV 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						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
150		12.5×30	0.62							18×30	0.67
180		12.5×35	0.70							16×40	0.77
220		12.5×40	0.80	14.5×30	0.80					18×35	0.77
270			14.5×35	0.87	16×30	0.87				18×40	0.88
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 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						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	
68			14.5×35	0.51	16×30	0.51			16×35	0.49	
82			14.5×40	0.57	16×35	0.57			16×40	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 φ D×L(mm)

Ripple Current (A r.m.s./120Hz, 105°C)