

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)	Rated Voltage (V)	200	400	420~450	(20°C, 120Hz)
		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.				
	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)	Rated Voltage (V)	200	400~450	(120Hz)	
	Z(-25°C)/Z(20°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	□□□□□	□	□□□	□□	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 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							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 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							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 φD×L(mm) ↑
Ripple Current (A r.m.s./120Hz, 105°C) ↑