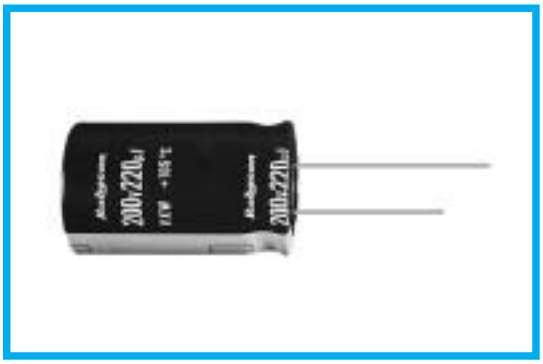
VXW SERIES



◆FEATURES

- Load Life : 105℃ 10000 hours.
- Body diameter of φ12.5mm to φ18mm with high ripple current capability.
- Longer life than the current AXW series.
- 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)	$I=3\sqrt{CV}$ (After 5 minutes application of rated voltage) I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V)
Dissipation Factor(MAX) (tanδ)	Rated Voltage (V): 200 / 400 / 420～450 tanδ: 0.15 / 0.15 / 0.20 （20℃，120Hz）
Endurance	After applying rated voltage with rated ripple current for 10000hrs at 105℃, 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 Z(−25℃)/Z(20℃): 3 / 8 （120Hz）

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

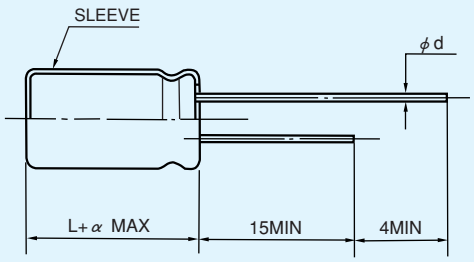
Frequency (Hz)		60(50)	120	500	1k	10k≦
Coefficient	200WV	0.8	1.0	1.20	1.30	1.40
	400～450WV	0.8	1.0	1.25	1.40	1.50

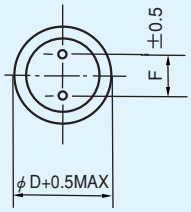
◆PART NUMBER

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

◆DIMENSIONS

(mm)





φD	12.5	16	18
φd	0.6	0.8	
F	5.0	7.5	
α	2.5		

◆STANDARD SIZE, RATED RIPPLE CURRENT

WV / Cap (μF) / φD	200					
	φ12.5		φ16		φ18	
120	12.5×30	0.53				
150	12.5×35	0.62				
180	12.5×40	0.70				
220			16×30	0.76	18×30	0.81
270			16×35	0.88	18×30	0.87
330			16×40	1.10	18×35	1.01
390					18×40	1.13
470					18×45	1.27

WV / Cap (μF) / φD	400					
	φ12.5		φ16		φ18	
39	12.5×30	0.32				
47	12.5×35	0.37				
56	12.5×40	0.42				
68			16×30	0.48		
82			16×30	0.50		
100			16×35	0.58	18×30	0.58
120			16×40	0.66	18×35	0.67
150					18×40	0.77
180					18×45	0.88

WV / Cap (μF) / φD	420						450					
	φ12.5		φ16		φ18		φ12.5		φ16		φ18	
27							12.5×30	0.25				
33	12.5×30	0.27					12.5×35	0.28				
39	12.5×35	0.31					12.5×40	0.32				
47	12.5×40	0.36							16×30	0.38		
56			16×30	0.43					16×35	0.44		
68			16×35	0.51	18×30	0.51			16×40	0.49	18×30	0.48
82			16×40	0.57	18×30	0.57					18×30	0.55
100					18×35	0.61					18×35	0.65
120					18×40	0.66					18×40	0.74

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

Size φD×L(mm)

Ripple Current (A r.m.s./105℃, 120Hz)