AXW SERIES

◆FEATURES

- Load Life : 105℃ 2000 hours.
- Body diameter of φ10mm to φ18mm with high ripple current capability.
- This series is two classes smaller than the current MXW series.
- RoHS compliance.

◆SPECIFICATIONS

Items	Characteristics
Category Temperature Range	−25～+105℃
Rated Voltage Range	200～450V.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) / 200～250 / 400 / 420～450 tanδ / 0.12 / 0.15 / 0.2 （20℃，120Hz）
Endurance	After applying rated voltage with rated ripple current for 2000hrs 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) / 200～250 / 400～450 Z(−25℃)/Z(20℃) / 3 / 8 （120Hz）

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

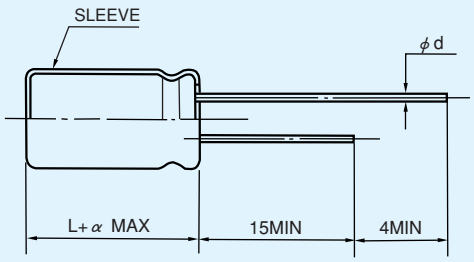
Frequency (Hz)		60(50)	120	500	1k	10k≦
Coefficient	200～250WV	0.8	1.0	1.20	1.30	1.40
	400～450WV	0.8	1.0	1.25	1.40	1.50

◆PART NUMBER

□□□ Rated Voltage | AXW Series | □□□□□ Rated Capacitance | □ Capacitance Tolerance | □□□ Option | □□ Lead Forming | D×L 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					220				
	φ10	φ12.5	φ14.5	φ16	φ18	φ10	φ12.5	φ14.5	φ16	φ18
56						10×30 0.29				
68	10×30 0.35					10×35 0.33				
82	10×35 0.40					10×40 0.37				
100	10×40 0.46						12.5×30 0.43			
120		12.5×30 0.53					12.5×35 0.49			
150		12.5×35 0.62					12.5×40 0.58	14.5×30 0.58		
180		12.5×40 0.70	14.5×30 0.66					14.5×35 0.68	16×30 0.67	
220			14.5×35 0.80	16×30 0.76	18×30 0.81			14.5×40 0.78	16×35 0.77	18×30 0.77
270			14.5×40 0.90	16×35 0.88	18×30 0.87				16×40 0.88	18×35 0.88
330				16×40 1.10	18×35 1.01					18×40 1.01
390					18×40 1.13					18×45 1.13
470					18×45 1.27					

WV / Cap (μF) \ φD	250					400				
	φ10	φ12.5	φ14.5	φ16	φ18	φ10	φ12.5	φ14.5	φ16	φ18
22						10×30 0.21				
27						10×35 0.24				
33						10×40 0.28				
39							12.5×30 0.32			
47	10×30 0.27						12.5×35 0.37			
56	10×35 0.30						12.5×40 0.42	14.5×30 0.42		
68	10×40 0.35							14.5×35 0.48		
82		12.5×30 0.40						14.5×35 0.52	16×30 0.50	
100		12.5×35 0.46							16×35 0.58	18×30 0.58
120		12.5×40 0.53	14.5×30 0.53						16×40 0.66	18×35 0.67
150			14.5×35 0.62	16×30 0.62						18×40 0.77
180			14.5×40 0.72	16×35 0.72	18×30 0.72					18×45 0.88
220				16×40 0.83	18×35 0.83					
270					18×40 0.95					
330					18×45 1.07					

WV / Cap (μF) \ φD	420					450				
	φ10	φ12.5	φ14.5	φ16	φ18	φ10	φ12.5	φ14.5	φ16	φ18
15						10×30 0.15				
18	10×30 0.17					10×35 0.18				
22	10×35 0.20					10×40 0.21				
27	10×40 0.23						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	14.5×30 0.32		
47		12.5×40 0.36	14.5×30 0.36					14.5×35 0.38	16×30 0.38	
56			14.5×35 0.43	16×30 0.43				14.5×40 0.44	16×35 0.44	
68			14.5×40 0.51	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					18×35 0.55
100					18×35 0.61					18×40 0.65
120					18×40 0.66					18×45 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)