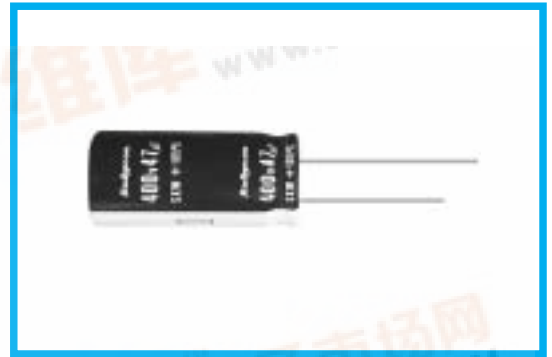


SXW SERIES

105°C Overvoltage Vent Operation Facility, Lead Wire Type

◆FEATURES

- Load Life : 105°C 2000 hours.
- Body diameter of ϕ 10mm to ϕ 18mm with high ripple current capability.
- This series has specification of vent operation in overvoltage situation. Please consult us for any further details.
- RoHS compliance.



◆SPECIFICATIONS

Items	Characteristics						
Category Temperature Range	-25~+105℃						
Rated Voltage Range	200・400V.DC						
Capacitance Tolerance	±20% (20℃, 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)	0.15 (20℃, 120Hz)						
Impedance Ratio(MAX)	<table border="1"><tr><td>Rated Voltage (V)</td><td>200</td><td>400</td></tr><tr><td>Z(-25℃)/Z(20℃)</td><td>3</td><td>8</td></tr></table> (120Hz)	Rated Voltage (V)	200	400	Z(-25℃)/Z(20℃)	3	8
Rated Voltage (V)	200	400					
Z(-25℃)/Z(20℃)	3	8					
Endurance	After applying rated voltage with rated ripple current for 2000 hrs at 105℃, 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.
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.						

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

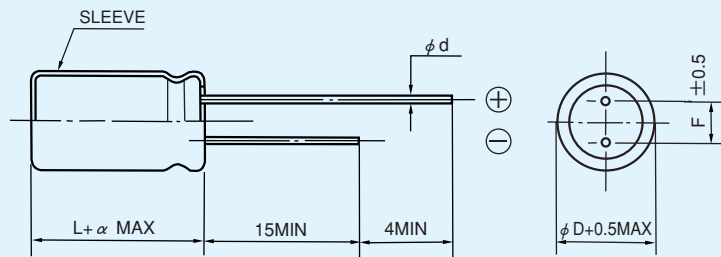
Frequency (Hz)		60(50)	120	500	1k	10k≤
Coefficient	200WV	0.8	1.0	1.10	1.14	1.18
	400WV	0.8	1.0	1.05	1.10	1.15

◆PART NUMBER

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

◆DIMENSIONS

(mm)



ϕ D	10	12.5	16	18
ϕ d	0.6		0.8	
F	5.0		7.5	
α	1.5			

◆STANDARD SIZE, RATED RIPPLE CURRENT

WV Cap (μF)	200			
	$\phi 16$		$\phi 18$	
68	16×20	0.32		
82	16×20 16×25	0.36 0.38	18×20	0.37
100	16×25 16×30	0.43 0.45	18×20	0.43
120	16×25 16×30	0.48 0.50	18×20 18×25	0.46 0.48
130			18×20	0.46
150	16×30 16×35	0.57 0.59	18×20 18×25 18×30	0.50 0.53 0.58
180	16×40	0.66	18×25 18×30	0.60 0.62
220			18×30 18×35	0.71 0.74
270			18×35 18×45	0.77 0.89
330			18×40	0.91

WV Cap (μF)	400							
	$\phi 10$		$\phi 12.5$		$\phi 16$		$\phi 18$	
4.7	10×10	0.060						
10	10×16	0.087	12.5×20	0.10				
22					16×20 16×25	0.17 0.18		
27					16×25	0.22		
33					16×25 16×30	0.22 0.24	18×20 18×25	0.23 0.25
36							18×20	0.24
39					16×30	0.27	18×25	0.27
47					16×30 16×35	0.30 0.32	18×20 18×25 18×30	0.28 0.30 0.32
56					16×35 16×40	0.34 0.36	18×30 18×35	0.35 0.37
68					16×40	0.39	18×35 18×40	0.40 0.42
82							18×40 18×45	0.46 0.48
100							18×45	0.52

Size $\phi D \times L$ (mm)
Ripple Current (A r.m.s./120Hz, 105°C)