

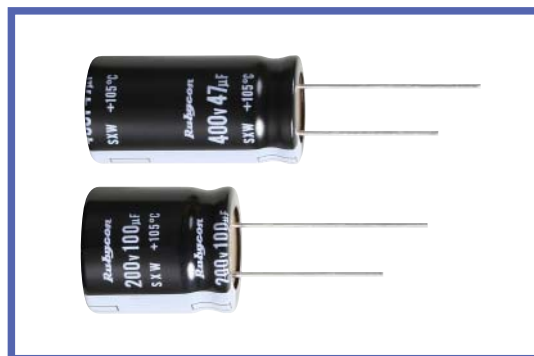


SXW SERIES

**105°C Overvoltage Vent Operation Facility,
Lead Wire Type**

◆ FEATURES

- Load Life : 105°C 1000~2000 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°C												
Rated Voltage Range	200, 400V.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)												
Dissipation Factor(MAX) (tanδ)	0.15(20°C, 120Hz)												
Impedance Ratio(MAX)	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>200</td> <td>400</td> <td>(120Hz)</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>3</td> <td>8</td> <td></td> </tr> </table>	Rated Voltage (V)	200	400	(120Hz)	Z(-25°C)/Z(20°C)	3	8					
Rated Voltage (V)	200	400	(120Hz)										
Z(-25°C)/Z(20°C)	3	8											
Endurance	After applying rated voltage with rated ripple current for time of right table 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> <td>Rated Capacitance (µF)</td> <td>Life Time (hrs)</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value.</td> <td>4.7</td> <td>1,000</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> <td>10 or over</td> <td>2,000</td> </tr> </table>	Capacitance Change	Within ±20% of the initial value.	Rated Capacitance (µF)	Life Time (hrs)	Dissipation Factor	Not more than 200% of the specified value.	4.7	1,000	Leakage Current	Not more than the specified value.	10 or over	2,000
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Dissipation Factor	Not more than 200% of the specified value.	4.7	1,000										
Leakage Current	Not more than the specified value.	10 or over	2,000										

◆ 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	4.7µF	0.65	1.0	1.05	1.10	1.15
		10~100µF	0.8	1.0	1.05	1.10	1.15

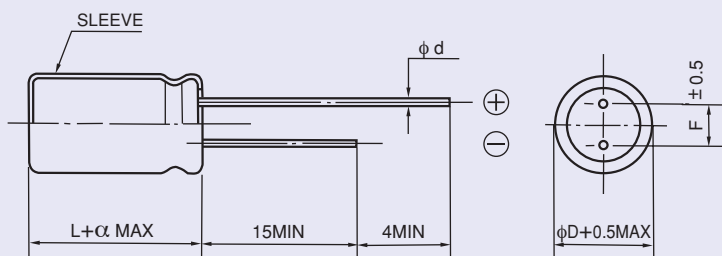
◆ PART NUMBER

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



◆ DIMENSIONS

(mm)



ϕD	10	12.5	16	18
ϕd	0.6		0.8	
F	5.0		7.5	
α	1.5			

◆ STANDARD SIZE

WV Cap (μF)	200			
	$\phi 16$		$\phi 18$	
68	16x20	0.32		
82	16x20	0.36	18x20	0.37
	16x25	0.38		
100	16x25	0.43	18x20	0.43
	16x30	0.45		
120	16x25	0.48	18x20	0.46
	16x30	0.50	18x25	0.48
130			18x20	0.46
150	16x30	0.57	18x20	0.50
	16x35	0.59	18x25	0.53
				18x30
180	16x40	0.66	18x25	0.60
			18x30	0.62
220			18x30	0.71
			18x35	0.74
270			18x35	0.77
			18x45	0.89
330			18x40	0.91

WV Cap (μF)	400							
	$\phi 10$		$\phi 12.5$		$\phi 16$		$\phi 18$	
4.7	10x10	0.060						
10	10x16	0.087	12.5x20	0.10				
22					16x20	0.17		
					16x25	0.18		
27					16x25	0.22		
33					16x25	0.22	18x20	0.23
					16x30	0.24	18x25	0.25
36							18x20	0.24
39					16x30	0.27	18x25	0.27
47					16x30	0.30	18x20	0.28
					16x35	0.32	18x25	0.30
56					16x35	0.34	18x30	0.32
					16x40	0.36	18x30	0.35
68					16x40	0.39	18x35	0.37
							18x35	0.40
82							18x40	0.42
							18x40	0.46
100							18x45	0.48
							18x45	0.52

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