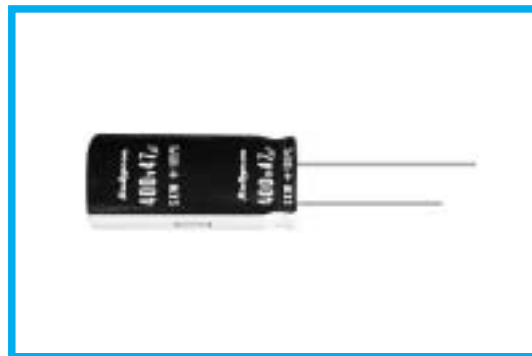


**SXW SERIES**
**105°C Overvoltage Vent Operation Facility,  
Lead Wire Type**
**◆FEATURES**

- Load Life : 105°C 2000 hours.
- Body diameter of  $\phi$  10mm to  $\phi$  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( $\mu$ A)      C=Rated Capacitance( $\mu$ F)      V=Rated Voltage(V)						
Dissipation Factor(MAX) (tan $\delta$ )	0.15 (20°C, 120Hz)						
Impedance Ratio(MAX)	<table border="1"> <thead> <tr> <th>Rated Voltage (V)</th> <th>200</th> <th>400</th> </tr> </thead> <tbody> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>3</td> <td>8</td> </tr> </tbody> </table> (120Hz)	Rated Voltage (V)	200	400	Z(-25°C)/Z(20°C)	3	8
Rated Voltage (V)	200	400					
Z(-25°C)/Z(20°C)	3	8					
Endurance	After applying rated voltage with rated ripple current for 2000 hrs at 105°C, the capacitors shall meet the following requirements. <table border="1"> <tbody> <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> </tbody> </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

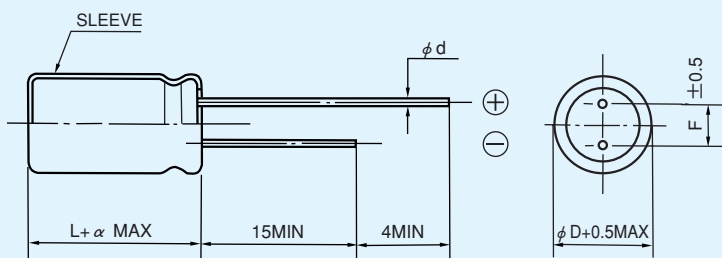
Frequency (Hz)		60(50)	120	500	1k	10k $\leq$
Coefficient	200WV	0.8	1.0	1.10	1.14	1.18
	400WV	0.8	1.0	1.05	1.10	1.15

**◆PART NUMBER**

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Rated Voltage	Series	Rated Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

◆ DIMENSIONS

(mm)



$\phi D$	10	12.5	16	18
$\phi d$	0.6		0.8	
F	5.0		7.5	
$\alpha$	1.5			

◆ STANDARD SIZE, RATED RIPPLE CURRENT

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

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

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