

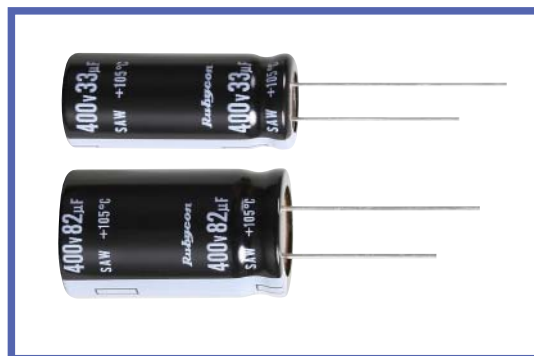


SAW SERIES

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

◆ **FEATURES**

- Load Life : 105°C 2000 hours.
- This series has specification of vent operation in overvoltage situation. Please consult us for any further details.
- Smaller size than SXW series.
- RoHS compliance.



◆ **SPECIFICATIONS**

Items	Characteristics						
Category Temperature Range	-25 ~ +105°C						
Rated Voltage Range	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>400</td> <td>(120Hz)</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>8</td> <td></td> </tr> </table>	Rated Voltage (V)	400	(120Hz)	Z(-25°C)/Z(20°C)	8	
Rated Voltage (V)	400	(120Hz)					
Z(-25°C)/Z(20°C)	8						
Endurance	After applying rated voltage with rated ripple current for 2000 hours 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> </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.
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Dissipation Factor	Not more than 200% of the specified value.						
Leakage Current	Not more than the specified value.						

◆ **MULTIPLIER FOR RIPPLE CURRENT**

Frequency coefficient

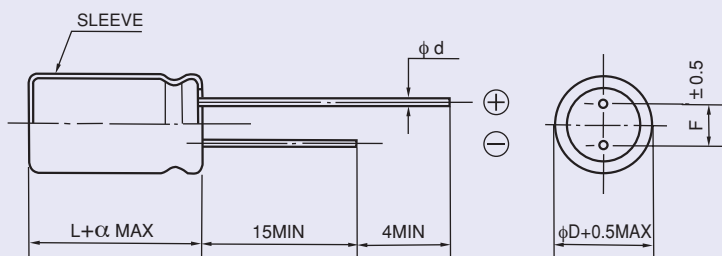
Frequency (Hz)	60(50)	120	500	1k	10k≤
Coefficient	0.8	1.0	1.05	1.10	1.15

◆ **PART NUMBER**

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

◆ DIMENSIONS

(mm)



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

◆ STANDARD SIZE

WV Cap (μF)	ϕD	400					
		$\phi 12.5$		$\phi 16$		$\phi 18$	
18	12.5x20	0.14					
22	12.5x25	0.16					
27	12.5x25	0.18	16x20	0.19			
33			16x20	0.21			
39			16x25	0.25	18x20	0.25	
47			16x25	0.28	18x20	0.28	
56			16x30	0.30	18x25	0.30	
68			16x35	0.35	18x25	0.33	
82			16x40	0.40	18x30	0.38	
100					18x35	0.44	
120					18x40	0.50	

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