

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>$Z(-25^{\circ}\text{C})/Z(20^{\circ}\text{C})$</td><td>3</td><td>8</td></tr></table> (120Hz)			Rated Voltage (V)	200	400	$Z(-25^{\circ}\text{C})/Z(20^{\circ}\text{C})$	3	8
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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.
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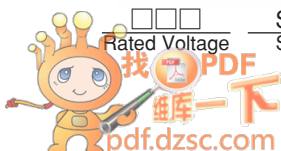
◆MULTIPLIER FOR RIPPLE CURRENT

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

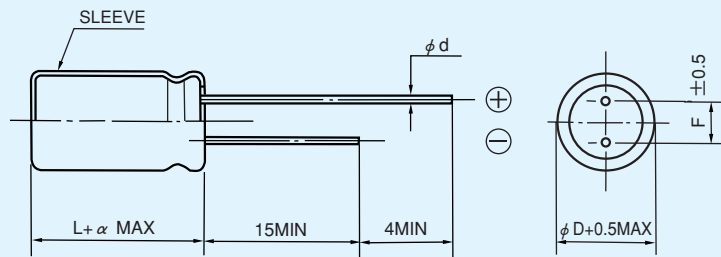
◆PART NUMBER

□□□ **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	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
	16×35	0.59	18×25	0.53
			18×30	0.58
180	16×40	0.66	18×25	0.60
			18×30	0.62
220			18×30	0.71
			18×35	0.74
270			18×35	0.77
			18×45	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	0.17		
					16×25	0.18		
27					16×25	0.22		
33					16×25	0.22	18×20	0.23
					16×30	0.24	18×25	0.25
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
							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)