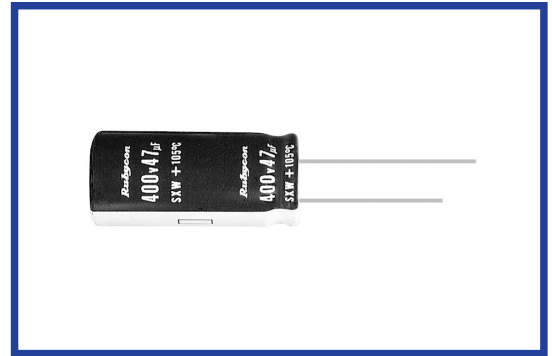


SXW SERIES
105°C Overvoltage Venting Specification
◆FEATURES

- Load Life : 105°C 1000~2000 hours.
- Body diameter of $\phi 10\text{mm}$ to $\phi 18\text{mm}$ 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, 400Vdc																
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 =Capacitance(μF) V =Rated Voltage(Vdc)																
(tan δ) Dissipation Factor(MAX)	0.15 (20°C, 120Hz)																
Endurance	After applying rated voltage with rated ripple current for specified time at 105°C, the capacitors shall meet the following requirements. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th></th> <th>Capacitance (μF)</th> <th>Life Time (hrs)</th> </tr> </thead> <tbody> <tr> <td>Capacitance Change</td> <td>Within $\pm 20\%$ of the initial value.</td> <td>4.7</td> <td>1000</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value.</td> <td>≥ 10</td> <td>2000</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> <td></td> <td></td> </tr> </tbody> </table>			Capacitance (μF)	Life Time (hrs)	Capacitance Change	Within $\pm 20\%$ of the initial value.	4.7	1000	Dissipation Factor	Not more than 200% of the specified value.	≥ 10	2000	Leakage Current	Not more than the specified value.		
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Low Temperature Stability Impedance Ratio(MAX)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Rated Voltage (Vdc)</th> <th>200</th> <th>400</th> <th>(120Hz)</th> </tr> </thead> <tbody> <tr> <td>$Z(-25^\circ\text{C})/Z(20^\circ\text{C})$</td> <td>3</td> <td>8</td> <td></td> </tr> </tbody> </table>	Rated Voltage (Vdc)	200	400	(120Hz)	$Z(-25^\circ\text{C})/Z(20^\circ\text{C})$	3	8									
Rated Voltage (Vdc)	200	400	(120Hz)														
$Z(-25^\circ\text{C})/Z(20^\circ\text{C})$	3	8															

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)		60 (50)	120	500	1k	10k \leq	
Coefficient	200Vdc	0.80	1.00	1.10	1.14	1.18	
	400Vdc	4.7 μF	0.65	1.00	1.05	1.10	1.15
		10~100 μF	0.80	1.00	1.05	1.10	1.15

◆OPTION

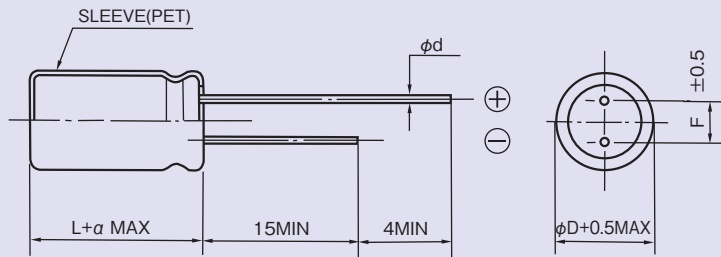
	Code
PET Sleeve	EFC

◆PART NUMBER

□□□	SXW	□□□□□	M	□□□	□□	D×L
Rated Voltage	Series	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

Rated Voltage (Vdc)	Capacitance (μF)	Size $\phi D \times L$ (mm)	Rated Ripple Current (A r.m.s./105°C,120Hz)
200	68	16×20	0.32
	82	16×20	0.36
	82	16×25	0.38
	82	18×20	0.37
	100	16×25	0.43
	100	16×30	0.45
	100	18×20	0.43
	120	16×25	0.48
	120	16×30	0.50
	120	18×20	0.46
	120	18×25	0.48
	130	18×20	0.46
	150	16×30	0.57
	150	16×35	0.59
	150	18×20	0.50
	150	18×25	0.53
	150	18×30	0.58
	180	16×40	0.66
	180	18×25	0.60
	180	18×30	0.62
220	18×30	0.71	
220	18×35	0.74	
270	18×35	0.77	
270	18×45	0.89	
330	18×40	0.91	

Rated Voltage (Vdc)	Capacitance (μF)	Size $\phi D \times L$ (mm)	Rated Ripple Current (A r.m.s./105°C,120Hz)
400	4.7	10×10	0.060
	10	10×16	0.087
	10	12.5×20	0.10
	22	16×20	0.17
	22	16×25	0.18
	27	16×25	0.22
	33	16×25	0.22
	33	16×30	0.24
	33	18×20	0.23
	33	18×25	0.25
	36	18×20	0.24
	39	16×30	0.27
	39	18×25	0.27
	47	16×30	0.30
	47	16×35	0.32
	47	18×20	0.28
	47	18×25	0.30
	47	18×30	0.32
	56	16×35	0.34
	56	16×40	0.36
	56	18×30	0.35
	56	18×35	0.37
	68	16×40	0.39
	68	18×35	0.40
	68	18×40	0.42
	82	18×40	0.46
	82	18×45	0.48
	100	18×45	0.52