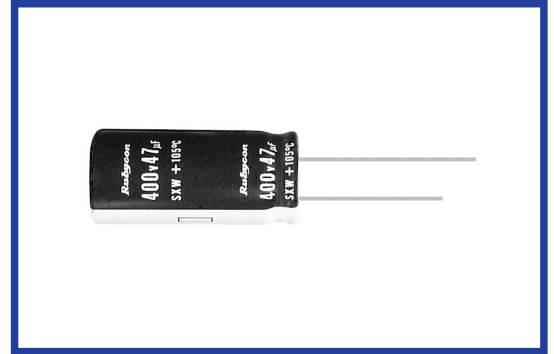


**SXW SERIES**
**105°C Overvoltage Vent Operation Facility,  
Lead Wire Type**
**◆FEATURES**

- 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, 400V.DC																
Capacitance Tolerance	±20% (20°C, 120Hz)																
Leakage Current(MAX)	$I=3\sqrt{CV}$ (After 5 minutes application of rated voltage) $I=(\mu\text{A})$ Leakage Current $C=(\mu\text{F})$ Rated Capacitance $V=(\text{V})$ Rated Voltage																
(tan $\delta$ ) Dissipation Factor(MAX)	0.15 (20°C, 120Hz)																
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" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th></th> <th>(<math>\mu\text{F}</math>) Rated Capacitance</th> <th>(hrs) Life Time</th> </tr> </thead> <tbody> <tr> <td>Capacitance Change</td> <td>Within ±20% of the initial value.</td> <td></td> <td></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> </tbody> </table>			( $\mu\text{F}$ ) Rated Capacitance	(hrs) Life Time	Capacitance Change	Within ±20% of the initial value.			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
		( $\mu\text{F}$ ) Rated Capacitance	(hrs) Life Time														
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Low Temperature Stability Impedance Ration(MAX)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Rated Voltage</th> <th>200</th> <th>400</th> <th>(120Hz)</th> </tr> </thead> <tbody> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>3</td> <td>8</td> <td></td> </tr> </tbody> </table>	Rated Voltage	200	400	(120Hz)	Z(-25°C)/Z(20°C)	3	8									
Rated Voltage	200	400	(120Hz)														
Z(-25°C)/Z(20°C)	3	8															

**◆MULTIPLIER FOR RIPPLE CURRENT**

Frequency Coefficient

(Hz) Frequency		60(50)	120	500	1k	10k $\leq$	
Coefficient	200WV	0.8	1.0	1.10	1.14	1.18	
	400WV	4.7 $\mu\text{F}$	0.65	1.0	1.05	1.10	1.15
		10~100 $\mu\text{F}$	0.8	1.0	1.05	1.10	1.15

**◆OPTION**

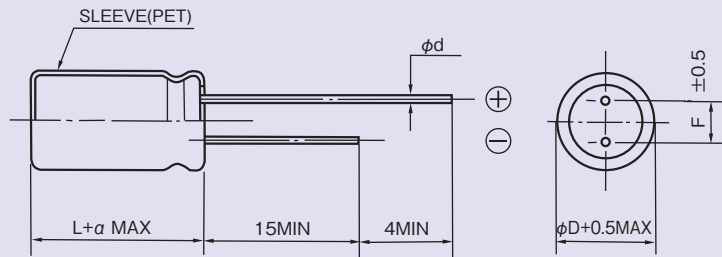
	Code
PET Sleeve	EFC

**◆PART NUMBER**

□□□	SXW	□□□□□	M	□□□	□□	DXL
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

Rated Voltage (V.DC)	Rated Capacitance (μF)	Size φD×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 (V.DC)	Rated Capacitance (μF)	Size φD×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	