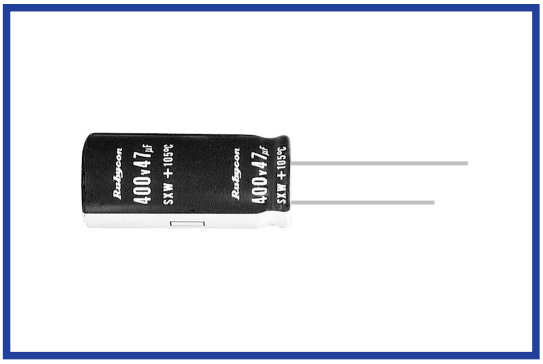
SXW SERIES

105℃ Overvoltgae Venting Specification



◆FEATURES

- Load Life : 105℃ 1000～2000 hours.
- Body diameter of φ10mm to φ18mm 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, 400Vdc
Capacitance Tolerance	±20%(20℃,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)
(tanδ) Dissipation Factor(MAX)	0.15(20℃,120Hz)
Endurance	After applying rated voltage with rated ripple current for specified time at 105℃, the capacitors shall meet the following requirements.

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 (μF)	Life Time (hrs)
4.7	1000
≧10	2000

| Low Temperature Stability Impedance Ratio(MAX) | |

Rated Voltage (Vdc)	200	400
Z(−25℃)/Z(20℃)	3	8

(120Hz)

◆MULTIPLIER FOR RIPPLE CURRENT

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

◆OPTION

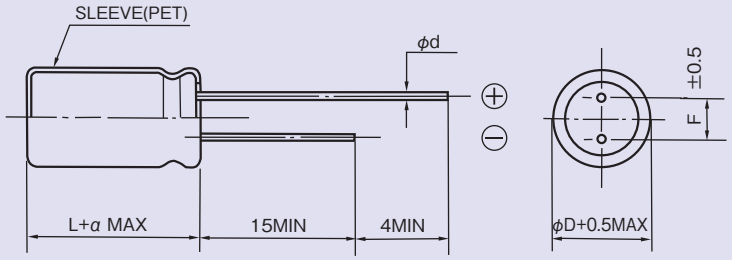
	Code
PET Sleeve	EFC

◆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 φD×L (mm)	Rated Ripple Current (A r.m.s./105℃,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 φD×L (mm)	Rated Ripple Current (A r.m.s./105℃,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