

SXC SERIES
105°C Overvoltage Venting Specification, Snap-in Terminal 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.
- RoHS compliance.


◆SPECIFICATIONS

項目 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(μ A) C =Capacitance(μ F) V =Rated Voltage(Vdc)							
(tan δ) Dissipation Factor(MAX)	0.15 (20°C, 120Hz)							
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" style="margin-left: 20px;"> <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.	
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.							
Low Temperature Stability Impedance Ratio(MAX)	<table border="1" style="margin-left: 20px;"> <tr> <td>Rated Voltage (Vdc)</td> <td>200</td> <td>400</td> <td rowspan="2">(120Hz)</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>3</td> <td>8</td> </tr> </table>	Rated Voltage (Vdc)	200	400	(120Hz)	Z(-25°C)/Z(20°C)	3	8
Rated Voltage (Vdc)	200	400	(120Hz)					
Z(-25°C)/Z(20°C)	3	8						

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)		60 (50)	120 (100)	500	1k	10k≤
Coefficient	200Vdc	0.80	1.00	1.10	1.14	1.18
	400Vdc	0.80	1.00	1.05	1.10	1.15

◆OPTION

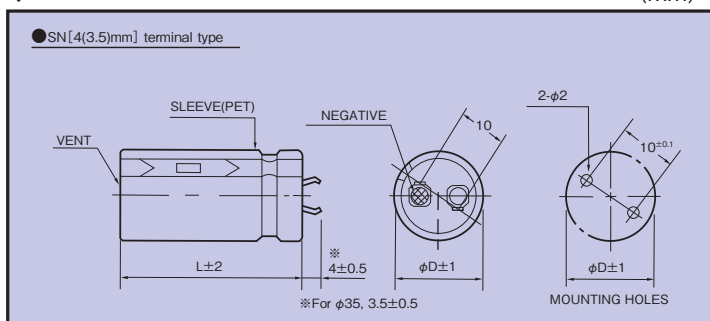
	Code
PET Sleeve without plate	EFC

◆PART NUMBER

□□□ **SXC** □□□□□ **M** □□□ **SN** **D×L**
 Rated Voltage Series Capacitance Capacitance Tolerance Option Terminal Code Case Size

◆DIMENSIONS

(mm)



◆STANDARD SIZE

Cap(μF)	Vdc φD	200									
		φ20		φ22		φ25		φ30		φ35	
82		20×20	0.42								
100		20×20	0.47	22×20	0.51						
120		20×20	0.52	22×20	0.56						
150		20×25	0.69	22×25	0.69	25×20	0.63				
180		20×25	0.75	22×25	0.75	25×20	0.70				
220		20×30	0.87	22×25	0.88	25×25	0.88	30×20	0.85		
270		20×35	1.00	22×25	0.99	25×25	0.99	30×20	0.95		
330		20×40	1.20	22×30	1.20	25×25	1.20	30×20 30×25	1.05 1.20	35×20	1.08
390				22×35	1.30	25×30	1.34	30×25	1.30	35×20	1.15
470				22×40	1.44	25×30	1.44	30×25	1.48	35×25	1.48
560				22×45	1.60	25×35	1.60	30×30	1.60	35×25	1.58
680						25×40	1.76	30×30	1.74	35×25	1.74
820								30×35	2.11	35×30	2.10
1000								30×45	2.40	35×30 35×35	2.30 2.30
1200										35×35 35×40	2.65 2.65
1500										35×45	3.08

Cap(μF)	Vdc φD	400									
		φ22		φ25		φ30		φ35			
27		22×20	0.23								
33		22×20	0.25								
39		22×20	0.28	25×20	0.30						
47		22×25	0.39	25×20	0.34						
56		22×25	0.45	25×20 25×25	0.39 0.45	30×20	0.41				
68		22×25	0.49	25×25	0.49	30×20	0.45				
82		22×30	0.56	25×25	0.56	30×20 30×25	0.50 0.56	35×20	0.51		
100		22×35	0.62	25×30	0.61	30×25	0.59	35×20	0.54		
120		22×40	0.73	25×30	0.73	30×25	0.73	35×20	0.61		
150		22×45	0.85	25×35	0.85	30×30	0.79	35×25	0.78		
180				25×40	0.94	30×30	0.95	35×25	0.95		
220				25×45	1.07	30×35	1.24	35×30	1.24		
270						30×35 30×40	1.35 1.30	35×35	1.28		
330						30×45	1.47	35×35	1.41		
390								35×40	1.59		
470								35×45	1.87		

↑ Ripple Current (A r.m.s./120Hz, 105°C)
 ↑ Case Size φD×L(mm)