

SXC SERIES
**105°C, Overvoltage Vent Operation Facility,
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.


◆ SPECIFICATIONS

Items	Characteristics			
Operating Temperature Range	-25~+105°C			
Rated Voltage Range	200V.DC, 400V.DC			
Capacitance Tolerance	±20%(20°C, 120Hz)			
Leakage Current(MAX)	$I=3\sqrt{CV}$ (After 5 minutes application of rated voltage) I=Leakage Current(µA) V=Rated Voltage(V) C=Nominal Capacitance(µF)			
Dissipation Factor(MAX)	0.15(20°C, 120Hz)			
Impedance Ratio(MAX)	Rated Voltage (V)	200	400	(120Hz)
	Z(-25°C)/Z(20°C)	3	8	
Load Life	After applying rated voltage with max. ripple current for 2000hrs at 105°C, 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.		

◆ EXPLANATION OF PART NUMBER

□□□	SXC	□□□□□	□	□□	□□□
Rated Voltage	Series	Nominal Capacitance	Capacitance Tolerance	Terminal Code	Size Code

◆ Terminal Code

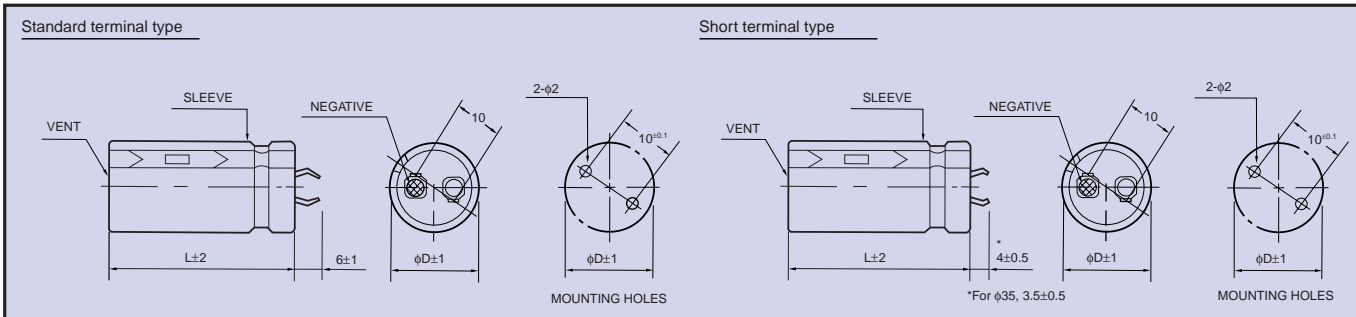
	Code
Standard Terminal	Blank
Short Terminal	ST

◆ SIZE CODE

L	φD	20	22	25	30	35
20		Z20	A20	B20	C20	D20
25		Z25	A25	B25	C25	D25
30		Z30	A30	B30	C30	D30
35		Z35	A35	B35	C35	D35
40		Z40	A40	B40	C40	D40
45		Z45	A45	B45	C45	D45
50		Z50	A50	B50	C50	D50

◆ DIMENSIONS

(mm)



◆ STANDARD SIZE, MAX. PERMISSIBLE RIPPLE CURRENT

Cap(μF)	WV φD	200									
		φ20		φ22		φ25		φ30		φ35	
82		20x20	0.42								
100		20x20	0.47	22x20	0.51						
120		20x20	0.52	22x20	0.56						
150		20x25	0.69	22x25	0.69	25x20	0.63				
180		20x25	0.75	22x25	0.75	25x20	0.70				
220		20x30	0.87	22x25	0.88	25x25	0.88	30x20	0.85		
270		20x35	1.00	22x25	0.99	25x25	0.99	30x20	0.95		
330		20x40	1.20	22x30	1.20	25x25	1.20	*30x25	1.20	35x20	1.08
390				22x35	1.30	25x30	1.34	30x25	1.30	35x20	1.15
470				22x40	1.44	25x30	1.44	30x25	1.48	35x25	1.48
560				22x45	1.60	25x35	1.60	30x30	1.60	35x25	1.58
680						25x40	1.76	30x30	1.74	35x25	1.74
820								30x35	2.11	35x30	2.10
1000								30x45	2.40	35x35	2.30
1200										35x40	2.65
1500										35x45	3.08

Cap(μF)	WV φD	400									
		φ20		φ22		φ25		φ30		φ35	
22		20x20	0.20								
27		20x20	0.22	22x20	0.23						
33		20x20	0.25	22x20	0.25						
39		20x25	0.35	22x20	0.28	25x20	0.30				
47		20x25	0.39	22x25	0.39	25x20	0.34				
56		20x30	0.44	22x25	0.45	*25x25	0.45	30x20	0.41		
68		20x35	0.51	22x25	0.49	25x25	0.49	30x20	0.45		
82		20x40	0.57	22x30	0.56	25x25	0.56	*30x25	0.56	35x20	0.51
100				22x35	0.62	25x30	0.61	30x25	0.59	35x20	0.54
120				22x40	0.73	25x30	0.73	30x25	0.73	35x20	0.61
150				22x45	0.85	25x35	0.85	30x30	0.79	35x25	0.78
180						25x40	0.94	30x30	0.95	35x25	0.95
220						25x45	1.07	30x35	1.24	35x30	1.24
270								30x40	1.30	35x35	1.28
330								30x45	1.47	35x35	1.41
390										35x40	1.59
470										35x45	1.87

*L=20mm is available upon request.

↑ Ripple Current A r.m.s./120Hz·105°C
Case Size φD^{±1}xL^{±2}(mm)

◆ MULTIPLIER FOR RIPPLE CURRENT

(1) Temperature coefficient

Ambient Temperature(°C)	105	85	65≥
Coefficient	1.0	1.7	2.1

(2) Frequency coefficient

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