

SXR 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	250V.DC, 450V.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)	0.20(20°C, 120Hz)			
Impedance Ratio(MAX)	Rated Voltage (V)	250	450	(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

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

◆ Terminal Code

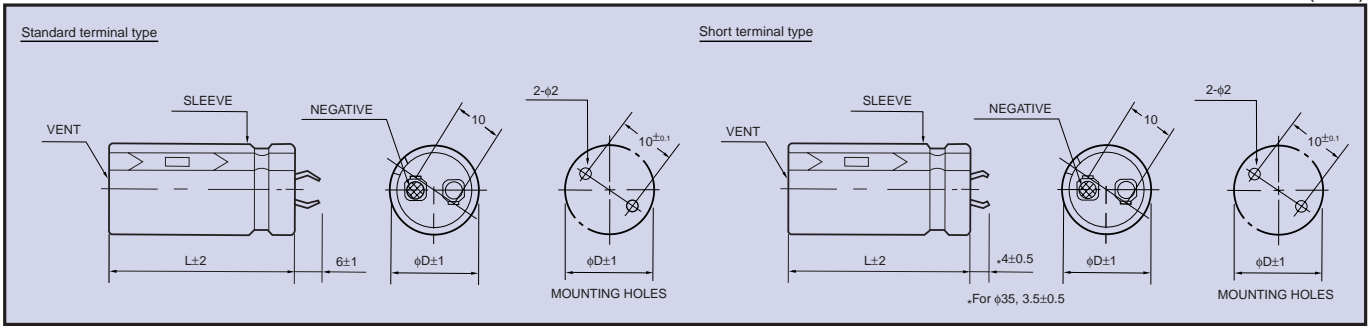
	Code
Standard Terminal	Blank
Short Terminal	ST

◆ SIZE CODE

L	φD	22	25	30	35
25		A25	B25	C25	D25
30		A30	B30	C30	D30
35		A35	B35	C35	D35
40		A40	B40	C40	D40
45		A45	B45	C45	D45
50		A50	B50	C50	D50

◆ DIMENSIONS

(mm)



◆ STANDARD SIZE, MAX. PERMISSIBLE RIPPLE CURRENT

Cap(μF)	WV	φD	250								
			φ22		φ25		φ30		φ35		
120			22x25	0.66							
150			22x30	0.76							
180			22x30	0.84	25x25	0.85					
220			22x35	0.98	25x30	1.00					
270			22x40	1.11	25x35	1.15	30x25	1.15			
330			22x45	1.26	25x40	1.28	30x30	1.32			
390			22x50	1.41	25x45	1.43	30x30	1.50			
470					25x50	1.62	30x35	1.62			
560							30x40	1.85	35x30	1.84	
680							30x45	2.10	35x35	2.09	
820							30x50	2.37	35x40	2.34	
1000									35x45	2.60	

Cap(μF)	WV	φD	450								
			φ22		φ25		φ30		φ35		
39			22x25	0.33							
47			22x30	0.37	25x25	0.38					
56			22x35	0.45	25x30	0.44					
68			22x40	0.51	25x30	0.51					
82			22x45	0.57	25x35	0.57	30x25	0.58			
100			22x50	0.64	25x40	0.63	30x30	0.65			
120					25x50	0.72	30x35	0.72			
150							30x40	0.76	35x30	0.76	
180							30x45	0.89	35x35	0.89	
220							30x50	1.00	35x40	1.05	
270									35x45	1.20	

↑ Ripple Current A r.m.s./120Hz·105°C
 Case Size φD±1xL±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

Frequency(Hz)	60	120	500	1k	10k≤	
Coefficient	250WV	0.80	1.00	1.10	1.14	1.18
	450WV	0.80	1.00	1.05	1.10	1.15