



**SXG SERIES**

**UPGRADE**

105°C Miniaturized, 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
- Smaller size than SXC series.
- RoHS compliance.

**◆ SPECIFICATIONS**

Items	Characteristics						
Category Temperature Range	-25 ~ +105°C						
Rated Voltage Range	200, 400, 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=Rated Capacitance(µF)						
Dissipation Factor(MAX) (tanδ)	<table border="1"> <tr> <td>Rated Voltage(V)</td> <td>200,400</td> <td>450</td> </tr> <tr> <td>tanδ</td> <td>0.15</td> <td>0.20</td> </tr> </table> (20°C, 120Hz)	Rated Voltage(V)	200,400	450	tanδ	0.15	0.20
Rated Voltage(V)	200,400	450					
tanδ	0.15	0.20					
Impedance Ratio(MAX)	<table border="1"> <tr> <td>Rated Voltage(V)</td> <td>200</td> <td>400,450</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>3</td> <td>8</td> </tr> </table> (120Hz)	Rated Voltage(V)	200	400,450	Z(-25°C)/Z(20°C)	3	8
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Z(-25°C)/Z(20°C)	3	8					
Endurance	After applying rated voltage with rated ripple current for 2000 hrs at 105°C, the capacitors shall meet the following requirements. <table border="1"> <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.
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Leakage Current	Not more than the specified value.						

**◆ MULTIPLIER FOR RIPPLE CURRENT**

Frequency coefficient

Frequency(Hz)	60 (50)	120	500	1k	10k ≤
Coefficient	0.77	1.00	1.17	1.22	1.40

**◆ PART NUMBER**

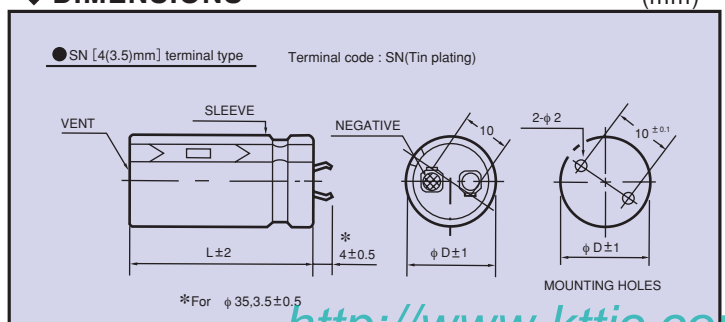
□□□ / **SXG** / □□□□□ / □ / □□□ / **SN** / **DxL**  
 Rated Voltage      Series      Rated Capacitance      Capacitance Tolerance      Option      Terminal Code      Case Size

**◆ Option**

	Code
PET Sleeve without plate	EFC
PVC Sleeve without plate	OOE
PVC Sleeve with plate	Blank

**◆ DIMENSIONS**

(mm)





◆ STANDARD SIZE

Cap (μF)	WV		200							
	φ D		φ 20		φ 22		φ 25		φ 30	
150			20×20	0.66						
180			20×25	0.82	22×20	0.80				
220			20×25	0.95	22×25	1.00	25×20	0.87		
270			20×30	1.10	22×25	1.10	25×20	0.95		
330			20×35	1.20	22×30	1.25	25×25	1.20	30×20	1.15
390			20×40	1.31	22×30	1.31	25×25	1.31	30×20	1.25
470					22×35	1.45	25×30	1.45	30×25	1.45
560					22×40	1.60	25×30	1.60	30×25	1.60
680							25×35	1.78	30×30	1.78
820							25×40	1.95	30×35	2.11
1000									30×35	2.40
1200									30×40	2.65

Cap (μF)	WV		400									
	φ D		φ 20		φ 22		φ 25		φ 30		φ 35	
39			20×20	0.34								
47			20×20	0.40								
56			20×25	0.45	22×20	0.40						
68			20×25	0.49	22×25	0.52	25×20	0.49				
82			20×30	0.64	22×25	0.64	25×20	0.60				
100			20×35	0.70	22×30	0.70	25×25	0.70	30×20	0.60		
120			20×40	0.75	22×30	0.75	25×25	0.75	30×20	0.70		
150					22×35	0.88	25×30	0.88	30×25	0.85	35×20	0.80
180					22×40	0.95	25×30	0.95	30×25	0.95	35×25	0.95
220							25×35	1.10	30×30	1.10	35×25	1.10
270							25×40	1.22	30×30	1.22	35×25	1.22
330									30×35	1.44	35×30	1.44
390									30×40	1.55	35×35	1.60
470											35×40	1.90

Cap (μF)	WV		450							
	φ D		φ 22		φ 25		φ 30		φ 35	
47			22×25	0.35						
56			22×25	0.44						
68			22×30	0.53	25×25	0.53				
82			22×35	0.64	25×25	0.64				
100			22×40	0.69	25×30	0.69	30×25	0.69		
120			22×45	0.75	25×35	0.75	30×25	0.75		
150			22×50	0.88	25×40	0.88	30×30	0.88	35×25	0.80
180					25×45	0.98	30×30	0.98	35×25	0.98
220					25×50	1.10	30×35	1.10	35×30	1.10
270							30×40	1.28	35×35	1.28
330							30×50	1.45	35×40	1.45
390									35×40	1.60
470									35×50	1.85

Ripple Current (A r.m.s./120Hz, 105°C)