

SXG SERIES

105°C Miniaturized, Overvoltage Vent Operation Facility, Snap-in Terminal Type

◆ **FEATURES**

- 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) $I=(\mu A)$ Leakage Current $C=(\mu F)$ Rated Capacitance $V=(V)$ Rated Voltage								
(tanδ) Dissipation Factor(MAX)	<table border="1"> <tr> <td>Rated Voltage</td> <td>200,400</td> <td>450</td> <td>(20°C, 120Hz)</td> </tr> <tr> <td>tanδ</td> <td>0.15</td> <td>0.20</td> <td></td> </tr> </table>	Rated Voltage	200,400	450	(20°C, 120Hz)	tanδ	0.15	0.20	
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tanδ	0.15	0.20							
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"> <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.								
Low Temperature Stability Impedance Ration(MAX)	<table border="1"> <tr> <td>Rated Voltage</td> <td>200</td> <td>400,450</td> <td>(120Hz)</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>3</td> <td>8</td> <td></td> </tr> </table>	Rated Voltage	200	400,450	(120Hz)	Z(-25°C)/Z(20°C)	3	8	
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Z(-25°C)/Z(20°C)	3	8							

◆ **MULTIPLIER FOR RIPPLE CURRENT**

Frequency Coefficient

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

◆ **OPTION**

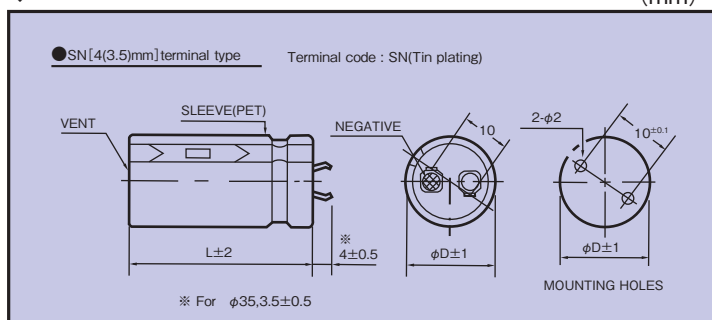
	Code
PET Sleeve without plate	EFC

◆ **PART NUMBER**

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

◆ **DIMENSIONS**

(mm)



◆STANDARD SIZE

Cap (μ F)	WV ϕ D	200							
		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 (μ F)	WV ϕ D	400									
		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 (μ F)	WV ϕ D	450							
		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)

 ↑ Case Size ϕ D×L(mm)