

SXG SERIES

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℃								
Rated Voltage Range	200, 400, 450V.DC								
Capacitance Tolerance	±20%(20℃,120Hz)								
Leakage Current(MAX)	I=3√CV (After 5 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(V)								
Dissipation Factor(MAX) (tanδ)	<table><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>	Rated Voltage (V)	200,400	450	tanδ	0.15	0.20	(20℃,120Hz)	
Rated Voltage (V)	200,400	450							
tanδ	0.15	0.20							
Endurance	After applying rated voltage with rated ripple current for 2000 hours at 105℃, the capacitors shall meet the following requirements. <table><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><tr><td>Rated Voltage (V)</td><td>200</td><td>400,450</td></tr><tr><td>Z(-25℃)/Z(20℃)</td><td>3</td><td>8</td></tr></table>	Rated Voltage (V)	200	400,450	Z(-25℃)/Z(20℃)	3	8	(120Hz)	
Rated Voltage (V)	200	400,450							
Z(-25℃)/Z(20℃)	3	8							

◆MULTIPLIER FOR RIPPLE CURRENT

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

◆OPTION

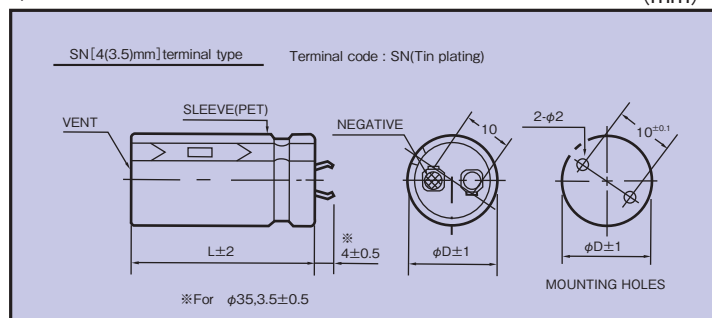
	Code
PET Sleeve without plate	EFC

◆PART NUMBER

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

◆DIMENSIONS

(mm)



◆STANDARD SIZE

Cap(μF) V.DC φD	200							
	φ20		φ22		φ25		φ30	
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) V.DC φD	400									
	φ20		φ22		φ25		φ30		φ35	
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) V.DC φD	450							
	φ22		φ25		φ30		φ35	
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 φD×L(mm)