

**SXG SERIES**

105°C Overvoltage Venting Specification, Miniaturized, 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	200~450Vdc		
Capacitance Tolerance	±20% (20°C, 120Hz)		
Leakage Current(MAX)	$I=3\sqrt{CV}$ (After 5 minutes application of rated voltage) I=Leakage Current(µA)      C=Capacitance(µF)      V=Rated Voltage(Vdc)		
(tanδ) Dissipation Factor(MAX)	Rated Voltage (Vdc)	200, 400	450 (20°C, 120Hz)
	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.		
	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)	Rated Voltage (Vdc)	200	400, 450 (120Hz)
	Z(-25°C)/Z(20°C)	3	8

**◆MULTIPLIER FOR RIPPLE CURRENT**

Frequency (Hz)	60(50)	120(100)	500	1k	10k≤
Coefficient	0.77	1.00	1.17	1.22	1.40

**◆OPTION**

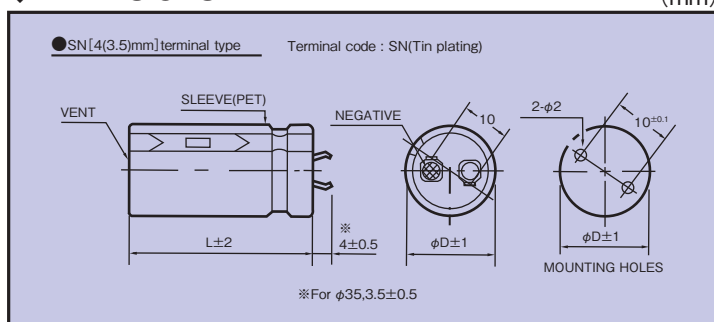
	Code
PET Sleeve without plate	EFC

**◆PART NUMBER**

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

**◆DIMENSIONS**

(mm)



**◆STANDARD SIZE**

Cap(μF)	Vdc		200							
	φD		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)	Vdc		400									
	φD		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)	Vdc		450									
	φD		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	35×35	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)