

**SXG** SERIES

**UPGRADE**

**105°C Overvoltage Venting Specification, Miniaturized**

- Load Life : 105°C 2000 hours.
- This series has specification of vent operation in overvoltage situation. Please consult us for any further details.

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( $\mu$ A) $C$ =Capacitance( $\mu$ F) $V$ =Rated Voltage(Vdc)								
Dissipation Factor(MAX) (tan $\delta$ )	<table border="1"> <tr> <td>Rated Voltage (Vdc)</td> <td>200~400</td> <td>450</td> <td>(20°C,120Hz)</td> </tr> <tr> <td>tan<math>\delta</math></td> <td>0.15</td> <td>0.20</td> <td></td> </tr> </table>	Rated Voltage (Vdc)	200~400	450	(20°C,120Hz)	tan $\delta$	0.15	0.20	
Rated Voltage (Vdc)	200~400	450	(20°C,120Hz)						
tan $\delta$	0.15	0.20							
Endurance	<p>After applying rated voltage with rated ripple current for 2000 hours at 105°C, the capacitors shall meet the following requirements.</p> <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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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 border="1"> <tr> <td>Rated Voltage (Vdc)</td> <td>200, 250</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 (Vdc)	200, 250	400, 450	(120Hz)	Z(-25°C)/Z(20°C)	3	8	
Rated Voltage (Vdc)	200, 250	400, 450	(120Hz)						
Z(-25°C)/Z(20°C)	3	8							

**◆MULTIPLIER FOR RIPPLE CURRENT**

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

**◆OPTION**

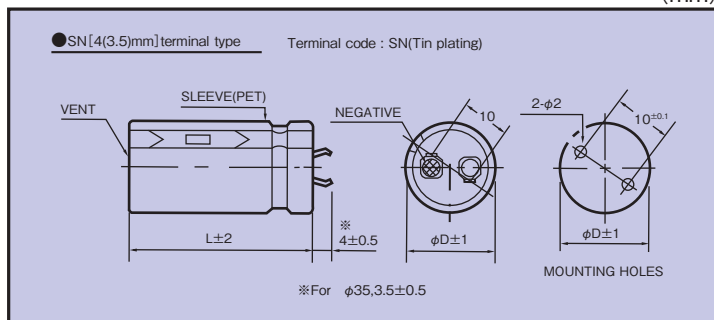
	Code
PET Sleeve without plate	EFC

**◆PART NUMBER**

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

**◆DIMENSIONS**

(mm)



**◆STANDARD SIZE**

Rated Voltage (Vdc)	Capacitance (μF)	Size φD×L (mm)	Rated Ripple Current (A r.m.s., 105°C,120Hz)
200	150	20×20	0.66
	180	20×25	0.82
	180	22×20	0.80
	220	20×25	0.95
	220	22×25	1.00
	220	25×20	0.87
	270	20×30	1.10
	270	22×25	1.10
	270	25×20	0.95
	330	20×35	1.20
	330	22×30	1.25
	330	25×25	1.20
	330	30×20	1.15
	390	20×40	1.31
	390	22×30	1.31
	390	25×25	1.31
	390	30×20	1.25
	470	22×35	1.45
	470	25×30	1.45
	470	30×25	1.45
	560	22×40	1.60
	560	25×30	1.60
	560	30×25	1.60
	680	25×35	1.78
	680	30×30	1.78
	820	25×40	1.95
	820	30×35	2.11
	1000	30×35	2.40
1200	30×40	2.65	
1500	35×45	2.70	
250	270	25×30	1.15
	330	25×30	1.26
	390	30×25	1.42
	470	30×30	1.61
	470	35×25	1.61
	560	30×35	1.84
	560	35×30	1.84
	680	35×30	1.96
	820	35×35	2.26
	400	39	20×20
47		20×20	0.40
56		20×25	0.45
56		22×20	0.40
68		20×25	0.49
68		22×25	0.52
68		25×20	0.49
82		20×30	0.64
82		22×25	0.64
82		25×20	0.60
100		20×35	0.70
100		22×30	0.70
100		25×25	0.70
100		30×20	0.60

Rated Voltage (Vdc)	Capacitance (μF)	Size φD×L (mm)	Rated Ripple Current (A r.m.s., 105°C,120Hz)	
400	120	20×40	0.75	
	120	22×30	0.75	
	120	25×25	0.75	
	120	30×20	0.70	
	150	22×35	0.88	
	150	25×30	0.88	
	150	30×25	0.85	
	150	35×20	0.80	
	180	22×40	0.95	
	180	25×30	0.95	
	180	30×25	0.95	
	180	35×25	0.95	
	220	25×35	1.10	
	220	30×30	1.10	
	220	35×25	1.10	
	270	25×40	1.22	
	270	30×30	1.22	
	270	35×25	1.22	
	330	30×35	1.44	
	330	35×30	1.44	
	390	30×40	1.55	
	390	35×35	1.60	
	470	35×40	1.90	
	450	47	22×20	0.35
		47	22×25	0.35
		56	22×25	0.44
		68	22×30	0.53
		68	25×25	0.53
82		22×35	0.64	
82		25×25	0.64	
100		22×40	0.69	
100		25×30	0.69	
100		30×25	0.69	
120		22×45	0.75	
120		25×35	0.75	
120		30×25	0.75	
150		22×50	0.88	
150		25×40	0.88	
150		30×30	0.88	
150		35×25	0.80	
180		25×45	0.98	
180		30×30	0.98	
180		35×25	0.98	
220		25×50	1.10	
220		30×35	1.10	
220		35×30	1.10	
270		30×35	1.28	
270		30×40	1.28	
270		35×35	1.28	
330		30×50	1.45	
330		35×35	1.45	
330	35×40	1.45		
390	35×40	1.60		
470	35×50	1.85		

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