

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(μA) C =Capacitance(μF) V =Rated Voltage(Vdc)		
Dissipation Factor(MAX) (tanδ)	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, 250 400, 450	(120Hz)
	$Z(-25^{\circ}\text{C})/Z(20^{\circ}\text{C})$	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

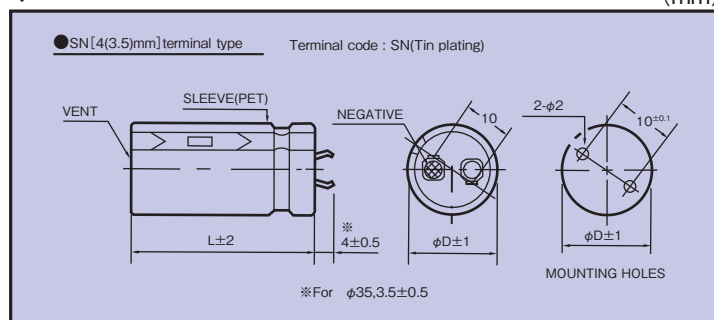
	Code
PET Sleeve without plate	EFC

◆PART NUMBER

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

◆DIMENSIONS

(mm)



◆STANDARD SIZE

Rated Voltage (Vdc)	Capacitance (μ F)	Size ϕ D×L (mm)	Rated Ripple Current (A r.m.s., 105°C, 120Hz)	Rated Voltage (Vdc)	Capacitance (μ F)	Size ϕ D×L (mm)	Rated Ripple Current (A r.m.s., 105°C, 120Hz)
200	150	20×20	0.66	400	120	20×40	0.75
	180	20×25	0.82		120	22×30	0.75
	180	22×20	0.80		120	25×25	0.75
	220	20×25	0.95		120	30×20	0.70
	220	22×25	1.00		150	22×35	0.88
	220	25×20	0.87		150	25×30	0.88
	270	20×30	1.10		150	30×25	0.85
	270	22×25	1.10		150	35×20	0.80
	270	25×20	0.95		180	22×40	0.95
	330	20×35	1.20		180	25×30	0.95
	330	22×30	1.25		180	30×25	0.95
	330	25×25	1.20		180	35×25	0.95
	330	30×20	1.15		220	25×35	1.10
	390	20×40	1.31		220	30×30	1.10
	390	22×30	1.31		220	35×25	1.10
	390	25×25	1.31		270	25×40	1.22
	390	30×20	1.25		270	30×30	1.22
	470	22×35	1.45		270	35×25	1.22
	470	25×30	1.45		330	30×35	1.44
	470	30×25	1.45		330	35×30	1.44
	560	22×40	1.60		390	30×40	1.55
	560	25×30	1.60		390	35×35	1.60
	560	30×25	1.60		470	35×40	1.90
	680	25×35	1.78	450	47	22×20	0.35
	680	30×30	1.78		47	22×25	0.35
	820	25×40	1.95		56	22×25	0.44
	820	30×35	2.11		68	22×30	0.53
	1000	30×35	2.40		68	25×25	0.53
	1200	30×40	2.65		82	22×35	0.64
	1500	35×45	2.70		82	25×25	0.64
250	270	25×30	1.15		100	22×40	0.69
	330	25×30	1.26		100	25×30	0.69
	390	30×25	1.42		100	30×25	0.69
	470	30×30	1.61		120	22×45	0.75
	470	35×25	1.61		120	25×35	0.75
	560	30×35	1.84		120	30×25	0.75
	560	35×30	1.84		150	22×50	0.88
	680	35×30	1.96		150	25×40	0.88
	820	35×35	2.26		150	30×30	0.88
400	39	20×20	0.34		150	35×25	0.80
	47	20×20	0.40		180	25×45	0.98
	56	20×25	0.45		180	30×30	0.98
	56	22×20	0.40		180	35×25	0.98
	68	20×25	0.49		220	25×50	1.10
	68	22×25	0.52		220	30×35	1.10
	68	25×20	0.49		220	35×30	1.10
	82	20×30	0.64		270	30×35	1.28
	82	22×25	0.64		270	30×40	1.28
	82	25×20	0.60		270	35×35	1.28
	100	20×35	0.70		330	30×50	1.45
	100	22×30	0.70		330	35×35	1.45
	100	25×25	0.70		330	35×40	1.45
	100	30×20	0.60		390	35×40	1.60
					470	35×50	1.85