

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

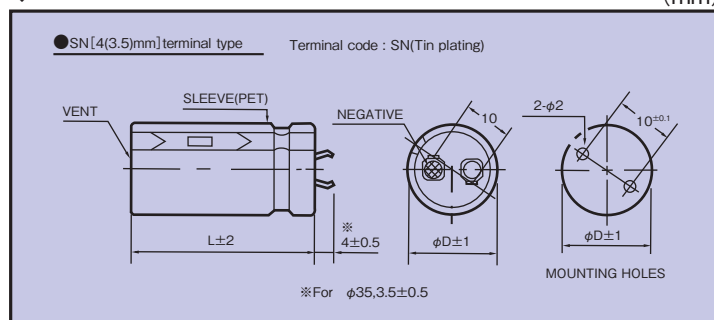
	Code
PET Sleeve without plate	EFC

◆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)
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	0.34
	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 (μ F)	Size ϕ D×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