

NXG SERIES

105°C, 10000 hours, Snap-in Terminal Type

◆FEATURES

- Load Life : 105°C 10000 hours
- RoHS compliance.



◆SPECIFICATIONS

Items	Characteristics	
Category Temperature Range	-25~+105℃	
Rated Voltage Range	400~450Vdc	
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(Vdc)	
(tanδ) Dissipation Factor(MAX)	0.2 (20℃, 120Hz)	
Endurance	After applying rated voltage with rated ripple current for 10000 hours at 105℃, 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)	400~450 (120Hz)
	Z(-25℃)/Z(20℃)	8

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)	60(50)	120(100)	300	500	1k	10k≤
Coefficient	0.80	1.00	1.15	1.20	1.25	1.40

◆OPTION

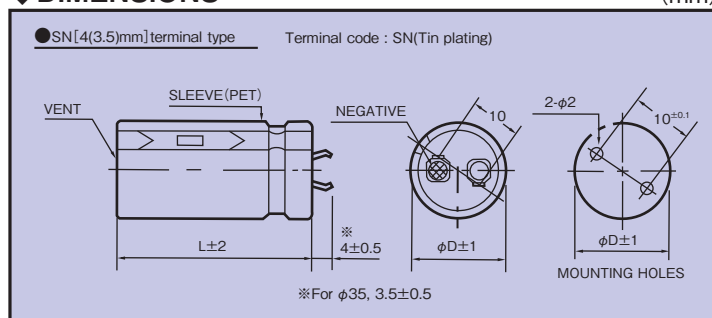
	Code
PET Sleeve without plate	EFC

◆PART NUMBER

□□□	NXG	□□□□□	M	□□□	SN	D×L
Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Terminal Code	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)
400	150	20×45	1.22
	180	20×50	1.37
	180	22×40	1.33
	180	25×35	1.32
	220	22×50	1.55
	220	25×40	1.50
	220	30×30	1.43
	220	35×25	1.34
	270	25×45	1.70
	270	30×35	1.63
	330	30×40	1.84
	330	35×30	1.63
	390	30×45	2.04
	390	35×35	1.85
	470	30×50	2.26
	470	35×40	2.07
	560	35×50	2.45
420	150	20×45	1.20
	180	22×45	1.35
	180	25×35	1.29
	220	25×40	1.47
	220	30×30	1.39
	220	35×25	1.31
	270	25×50	1.73
	270	30×35	1.59
	270	35×30	1.53
	330	30×40	1.80
	330	35×35	1.75
	390	30×50	2.09
	390	35×40	1.95
	470	35×45	2.16

Rated Voltage (Vdc)	Capacitance (μ F)	Size ϕ D×L (mm)	Rated Ripple Current (A.r.m.s 105°C,120Hz)
450	120	20×45	1.11
	150	20×50	1.25
	150	22×45	1.26
	150	25×35	1.21
	180	22×50	1.41
	180	25×40	1.37
	180	30×30	1.31
	180	35×25	1.24
	220	25×45	1.55
	220	30×35	1.49
	270	30×40	1.69
	270	35×30	1.52
	330	30×45	1.90
	330	35×35	1.74
	390	30×50	2.10
	390	35×40	1.94
	470	35×50	2.29