

NZH Series

- 105°C 2,000Hrs assured.

- Non-solvent proof
- High ripple and High surge voltage
- For LED TV Power , SMPS
- **RoHS compliant.**
- **Halogen-free capacitors are also available.**

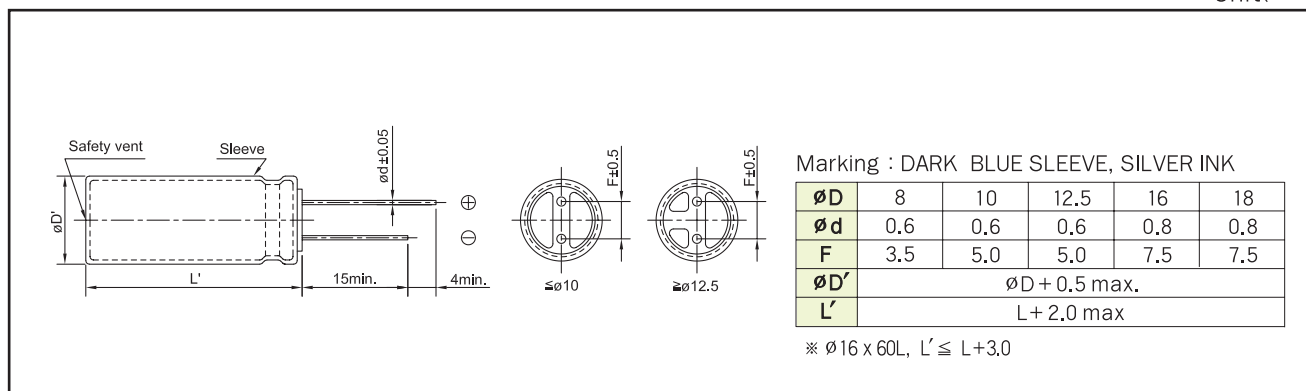


SPECIFICATIONS

Item	Characteristics											
Rated Voltage	450 V _{dc}											
Surge Voltage	550 V _{dc}											
Operating Temperature Range	-25 ~ +105℃											
Capacitance Tolerance	±20%(M) (at 20℃, 120Hz)											
Leakage Current	<table><tr><td>CV \ Time</td><td>After 1 minute</td><td>After 5 minutes</td></tr><tr><td>≤ 1000</td><td>I=0.1CV+40</td><td>I=0.03CV+15</td></tr><tr><td>> 1000</td><td>I=0.04CV+100</td><td>I=0.02CV+25</td></tr></table>			CV \ Time	After 1 minute	After 5 minutes	≤ 1000	I=0.1CV+40	I=0.03CV+15	> 1000	I=0.04CV+100	I=0.02CV+25
	CV \ Time	After 1 minute	After 5 minutes									
	≤ 1000	I=0.1CV+40	I=0.03CV+15									
	> 1000	I=0.04CV+100	I=0.02CV+25									
Where, I : Max. Leakage current(μA) C : Nominal capacitance(μF) V : Rated voltage(V _{dc}) (at 20℃)												
Dissipation Factor(Tanδ)	<table><tr><td>Rated Voltage(V_{dc})</td><td>450</td></tr><tr><td>Tanδ(Max.)</td><td>0.24</td></tr></table> (at 20℃, 120Hz)			Rated Voltage(V _{dc})	450	Tanδ(Max.)	0.24					
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Temperature Characteristics (Max. Impedance ratio)	<table><tr><td>Rated Voltage(V_{dc})</td><td>450</td></tr><tr><td>Z(-25℃)/Z(20℃)</td><td>6</td></tr></table> (at 120Hz)			Rated Voltage(V _{dc})	450	Z(-25℃)/Z(20℃)	6					
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Z(-25℃)/Z(20℃)	6											
Load Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage with the rated ripple current is applied for 2,000 hours at 105℃. Capacitance change ≤ ±20 % of the initial value tan δ ≤ 200 % of the initial specified value Leakage current ≤ The initial specified value											
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1,000 hours at 105℃ without voltage applied. The rated voltage shall be applied to the capacitors for a minimum of 30 minutes, at least 24 hours an not more than 48 hours before the measurements. Capacitance change ≤ ±20 % of the initial value tan δ ≤ 200 % of the initial specified value Leakage current ≤ 500 % of the initial specified value											
Others	Satisfied characteristics KS C IEC 60384-4											

DIMENSIONS OF NZH Series

Unit(mm)



RATINGS OF NZH Series

V _{dc}	450	
Items μF	∅D×L(mm)	Rated Ripple Current (mA _{rms} /105°C,120Hz)
18	8 X 50	240
39	10 X 50	400
47	12.5 X 40	460
	16 X 25	460
56	12.5 X 50	550
	16 X 31.5	550
	18 X 25	550
68	12.5 X 50	690
	16 X 35.5	690
	18 X 31.5	690
82	12.5 X 60	750
	16 X 40	750
	18 X 31.5	750
100	16 X 45	800
	18 X 35.5	800
120	16 X 50	950
	18 X 40	950
150	16 X 60	1,300
	18 X 50	1,300

RATED RIPPLE CURRENT MULTIPLIERS

Frequency Multipliers

Cap.(μF) \ Freq.(Hz)	120	1k	10k	50k	100k
18 ~ 150	1.00	1.25	1.50	1.75	2.00