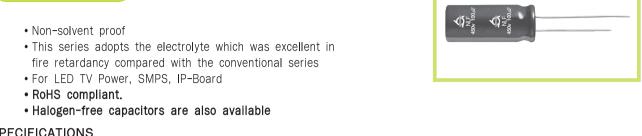
## MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS



## **NLF** Series

• 105°C 5,000Hrs assured.

## **SPECIFICATIONS**



Item	Characteristics
Rated Voltage	400∼500 V <sub>DC</sub>
Operating Temperature Range	−25 ~ +105°C
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)
Leakage Current	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$
Dissipation Factor(Tanð)	Rated Voltage(Voc)   400~500     Tanδ(Max.)   0.24   (at 20°C, 120Hz)
Temperature Characteristics (Max. Impedance ratio)	Rated Voltage(Vpc) 400~500 Z(-25°C)/Z(20°C) 6 (at 120Hz)
Load Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage with the rated ripple current is applied for 5,000 hours at 105°C.    Capacitance change $\leq \pm 20$ % of the initial value tan $\delta \leq 200$ % of the initial specified value Leakage current $\leq 500$ The initial specified value
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to $20^{\circ}\text{C}$ after exposing them for 1,000 hours at $105^{\circ}\text{C}$ without voltage applied. The rated voltage shall be applied to the capacitors for a minimum of 30 minutes, at least 24 hours and not more than 48 hours before the measurements.  Capacitance change $\leq \pm 20$ % of the initial value tan $\delta \leq 200$ % of the initial specified value  Leakage current $\leq 500$ % of the initial specified value
Others	Satisfied characteristics KS C IEC 60384-4

<sup>■</sup> The specifications and the size depend on the safety requirement.(flame retardant) Please consult us for any further details.

## **DIMENSIONS OF NLF Series**

Unit(mm)

