LARGE SIZED ALUMINUM ELECTROLYTIC CAPACITORS



TZF Series

- 105°C 2,000Hrs assured.
- · Non-solvent proof
- This series adopts the electrolyte which was excellent in fire retardancy compared with the conventional series
- For SMPS, Inverter
- RoHS compliant.
- Halogen-free capacitors are also available.



SPECIFICATIONS

Item	Characteristics
Rated Voltage	400∼450 Vpc
Operating Temperature Range	-25 ∼ +105°C
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)
Leakage Current	$\label{eq:local_local_local_local} \begin{split} I &= 0.02 \text{CV}(\mu\text{A}) \text{ or 3mA, whichever is smaller.} \\ \text{Where, I : Max. Leakage current}(\mu\text{A}) &\text{C : Nominal capacitance}(\mu\text{F}) \\ \text{V : Rated voltage}(\text{Vbc}) \end{split} \tag{at 20°C , 5minutes}$
Dissipation Factor(Tanð)	Rated Voltage(Voc) 400~450 Tanδ(Max.) 0.20 (at 20°C, 120Hz)
Temperature Characteristics (Max. Impedance ratio)	Rated Voltage(Vpc) 400~450 Z(-25°C)/Z(20°C) 8 (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 2,000 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 The initial specified value
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°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 ≤ 500 % of the initial specified value
Others	Satisfied characteristics KS C IEC 60384-4

[■] The specifications and the size depend on the safety requirement.(flame retardant) Please consult us for any further details.

DIMENSIONS OF TZF Series

Unit(mm)

