

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 V _{DC}				
Operating Temperature Range	-25 ~ +105°C				
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)				
Leakage Current	I = 0.02CV(µA) or 3mA, whichever is smaller. Where, I : Max. Leakage current(µA) C : Nominal capacitance(µF) V : Rated voltage(V _{DC}) (at 20°C, 5minutes)				
Dissipation Factor(Tanδ)	<table border="1"> <tr> <td>Rated Voltage(V_{DC})</td> <td>400~450</td> </tr> <tr> <td>Tanδ(Max.)</td> <td>0.20</td> </tr> </table> (at 20°C, 120Hz)	Rated Voltage(V _{DC})	400~450	Tanδ(Max.)	0.20
Rated Voltage(V _{DC})	400~450				
Tanδ(Max.)	0.20				
Temperature Characteristics (Max. Impedance ratio)	<table border="1"> <tr> <td>Rated Voltage(V_{DC})</td> <td>400~450</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>8</td> </tr> </table> (at 120Hz)	Rated Voltage(V _{DC})	400~450	Z(-25°C)/Z(20°C)	8
Rated Voltage(V _{DC})	400~450				
Z(-25°C)/Z(20°C)	8				
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 ≤ ±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°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 ≤ ±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				

■ 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)

