ROPLA 2019.05.31

ALUMINUM ELECTROLYTIC CAPACITORS

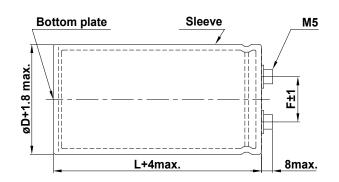
APPROVAL NO.

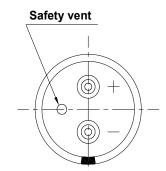
9994

TGA 450 LG 15000 (M)

SERIES	TGA	
RATING	450 V 15000 <i>μ</i> F	
CASE SIZE	Ø 100 × 220 I	

A. DIAGRAM OF DIMENSION





ØD 100 L 220

41.5

[UNIT:mm]

B. MARKING: BROWN SLEEVE & SILVER INK





TGA 450V 15000*µ*F (M)105℃

FRONT VIEW OF CAPACITOR

< BOTTOM PLATE or SLEEVE MARKING >

1 2 3 4

- ① The ending figure of manufactured year in A.D
- ② Manufactured month(1,2,3....9,O,N,D)
- 3 Manufactured day (A,B,C,...Z,a,b,c,d,e)
- **4** SAMYOUNG's symbol NO(1)

C. ELECTRICAL CHARACTERISTICS

A. OPERATING TEMPERATURE RANGE : $-25 \sim +105$ °C

B. RATED VOLTAGE : $\underline{450 \text{ V}_{DC}}$ C. SURGE VOLTAGE : $\underline{500 \text{ V}_{DC}}$

D. CAPACITANCE TOLERANCE : $\pm 20\%$ (at 20 °C, 120 Hz)

E. LEAKAGE CURRENT : Lower 5000 μA, after 5 minutes at 20 ℃

F. DISSIPATION FACTOR (TAN δ) : Lower <u>0.20</u> at 20 °C, 120 Hz G. RATED RIPPLE CURRENT : <u>18.9 Arms</u> at 105 °C, 120 Hz

H. TEMPERATURE CHARACTERISTICS

(Capacipation change ratio) $C(-25^{\circ}C) / C(20^{\circ}C) \ge 0.7$ (at 120Hz)

I. LOAD LIFE : The follwing specifications shall be satisfied when the capacitors are restored to 20 ℃ after the rated voltage with the rated rripple current is applied (the peak voltage shall not exceed the rated voltage) for 2,000 hours at 105 ℃.

Capacitance change $\leq \pm 20 \%$ of the initial value

$Tan\delta$ \leq 200 % of the initial specified value

Leakage current ≤ The initial specified value

J. SHELF LIFE: The following specifications shall be satisfied when the capacitors are restored to 20 °C

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 δ $\leq 200 \%$ of the initial specified value

Leakage current ≤ The initial specified value

K. CLEANING CONDITIONS: Non-solvent proof

L. OTHERS : Satisfied charateristics KS C IEC 60384-4

←	←	•
	100 mg	