ROPLA 2019.05.31

# **ALUMINUM ELECTROLYTIC CAPACITORS**

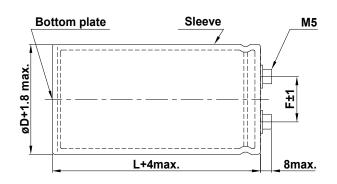
APPROVAL NO.

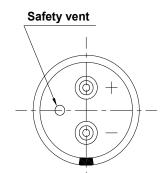
9992

15000 (M) TGA **450** LG

SERIES	TGA	
RATING	<b>450 V 15000</b> μF	
CASE SIZE	Ø 89 × 230 L	

#### A. DIAGRAM OF DIMENSION





ØD L 230 F 31.5

[UNIT:mm]

## B. MARKING: BROWN SLEEVE & SILVER INK





450V 15000 uF (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 : <u>-25</u> ~ <u>+105°</u>

: 450 V<sub>DC</sub> **B. RATED VOLTAGE** C. SURGE VOLTAGE : 500 V<sub>DC</sub>

D. CAPACITANCE TOLERANCE ±20% (at 20°C, 120Hz)

E. LEAKAGE CURRENT Lower <u>5000 µA</u>, after 5 minutes at 20 ℃

F. DISSIPATION FACTOR (TANδ) : Lower <u>0.20</u> at 105 °C, 120 Hz G. RATED RIPPLE CURRENT 16.5 Arms at 105℃, 120Hz

H. TEMPERATURE CHARACTERISTICS

(Capacipation change ratio)  $C(-25^{\circ}C) / C(20^{\circ}C) \geq 0.7$ 

I. LOAD LIFE : The follwing specifications shall be satisfied when the capacitors are restored to 20°C 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 ≤ ±20 % of the initial value

# Tanδ

≤ 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  $^\circ$ after exposing them at  $\underline{105\,^{\circ}}$  for  $\underline{500}$  hours 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

# Tanδ ≤ 200 % of the initial specified value

≤ The initial specified value # Leakage current

K. CLEANING CONDITIONS: Non-solvent proof

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

<b>←</b>	<b>←</b>	←
	意の	