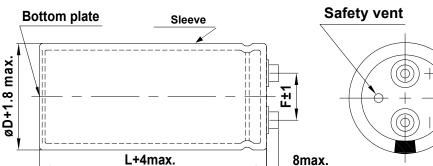
ROPLA 2012.05.01

APPROVAL NO. ALUMINUM ELECTROLYTIC CAPACITORS 3414 TFA **SERIES** TFA 400 LG 4700 (M) **RATING** 400 WV 4700 μF

A. DIAGRAM OF DIMENSION

Ø 76.5 × 120 L **CASE SIZE**



Ø 76.5 L 120 F 31.5

[UNIT:mm]

B. MARKING: BROWN SLEEVE & SILVER INK





< 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)
- SAMYOUNG's symbol NO(1)

FRONT VIEW OF CAPACITOR

C. ELECTRICAL CHARACTERISTICS

A. OPERATING TEMPERATURE RANGE : <u>-25</u> ~ +105°C

B. RATED VOLTAGE : 400 V_{DC} C. SURGE VOLTAGE : 450 V_{DC}

D. CAPACITANCE TOLERANCE : ±20% (at 20℃, 120Hz)

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

F. DISSIPATION FACTOR (ΤΑΝδ) : Lower <u>0.15</u> at 105℃, 120Hz **G. MAX. RIPPLE CURRENT** : <u>19.4 Arms</u> at <u>105 ℃</u>, <u>120 Hz</u>

H. TEMPERATURE CHARACTERISTICS

(Capacipation change ratio) : C(-25°C) / C(20°C) ≥ 0.7 (at 120Hz)

I. INSULATION WITHSTANDING VOLTAGE:

When a voltage of 2000V_{AC} is applied for one minute between the terminals shorted each other and the mounting clamp on the insulating sleeve covering the case, there shall not be electrical damage.

J. LOAD LIFE: The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied 5,000 hours at 105℃.

 $: \le \pm 20 \%$ of the initial value

Tanδ : ≤ 200 % of the initial specified value

Leakage current : ≤ The initial specified value

K. SHELF LIFE: The following specifications shall be satisfied when the capacitors are restored to 20°C, after exposing them at 105°C for 1,000 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

Leakage current : ≤ The initial specified value

L. CLEANING CONDITIONS: Non-solvent proof

M. OTHERS : Satisfied charateristics W of KS C 6421

