ROPLA 2017.07.04

ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

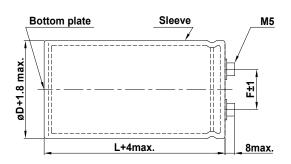
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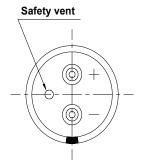
RFA 450 LG 3300 (M)

SERIES	RFA
RATING	450 V 3300 µF
CASE SIZE	Ø 76.5 × 105 L

A. DIAGRAM OF DIMENSION

[UNIT : mm]





ØD	76.5
L	105
F	31.5

B. MARKING: BLACK SLEEVE & GOLD INK





450 V 3300 µF (M) 85°C

FRONT VIEW OF CAPACITOR

< SLEEVE or BOTTOM PLATE 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)

C. ELECTRICAL CHARACTERISTICS

A. OPERATING TEMPERATURE RANGE : <u>-25</u> ~ <u>+85℃</u> **B. RATED VOLTAGE** : 450 V_{DC} C. SURGE VOLTAGE : 500 V_{DC}

D. CAPACITANCE TOLERANCE : <u>±20%</u> (at 20℃, 120Hz)

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

F. DISSIPATION FACTOR (Tanδ) : Lower 0.25 at 20 °C, 120 Hz **G. RATED RIPPLE CURRENT** : 10 Arms at 85 ℃, 120Hz

H. TEMPERATURE CHARACTERISTICS

(CAPACITANCE CHANGE RATIO) : $C(-25 \degree)/C(20 \degree)$ ≥ 0.7 (at 120 \boxplus)

I. INSULATION WITHSTANDING VOLTAGE

When a voltage of 2,000V_{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 the rated voltage with the rated ripple current is applied (the peak voltage shall not

exceed the rated voltage) for 20,000 hours at 85℃.

Capacitance change $: \le \pm 30 \%$ of the initial value

Tanδ : ≤ 300 % of the initial specified value

Leakage current : ≤ The initial specified value

K. SHELF LIFI: The following specifications shall be satisfied when the capacitors are restored to 20 °C,

after exposing them at 85°C for 500 hours without voltage applied.

The rated volage shall be applied to the capacitors for a minimum of 30 minutes,

capacitors for a minimum of 30 minutes, at least 24 hours and not

more than 48 hours before the measurements.

 $: \le \underline{\pm 20 \%}$ of the initial value # Capacitance change

Tanδ : ≤ 300 % of the initial specified value

Leakage current : ≤ The initial specified value

L. CLEANING CONDITIONS: Non-solvent proof

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







