ROPLA 2018.07.03

ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

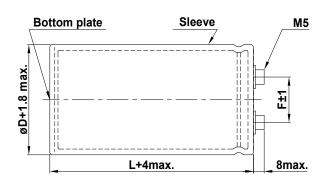
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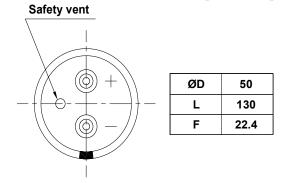
RGB 100 LG 33000 (M)

SERIES	RGB
RATING	100 V 33000 μF
CASE SIZE	Ø 50 × 130 L

A. DIAGRAM OF DIMENSION

[UNIT:mm]





B. MARKING: BLACK SLEEVE & SLIVER INK





RGB 100 V 33000 *µ*F (M) 85℃

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

B. RATED VOLTAGE : $\frac{100 \text{ V}_{DC}}{125 \text{ V}_{DC}}$

D. CAPACITANCE TOLERANCE : ±20% (at 20℃, 120½)

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

F. DISSIPATION FACTOR (Tan δ) : Lower 0.25 at $20\,^{\circ}$ C, $120\,^{\circ}$ Lz G. RATED RIPPLE CURRENT : 14.0 Arms at $85\,^{\circ}$ C, $120\,^{\circ}$ Lz

H. 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.

<u>-40</u> ~ +85℃

I. 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 (the peak voltage shall not exceed the rated voltage) 2,000 hours at 85°C.

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

Tan δ $\leq 300 \%$ 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 the exposing them at $85\,^{\circ}$ for 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

Tan δ \leq 300 % 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

