

ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

1530

TGA 100 LG 33000 (M)

SERIES

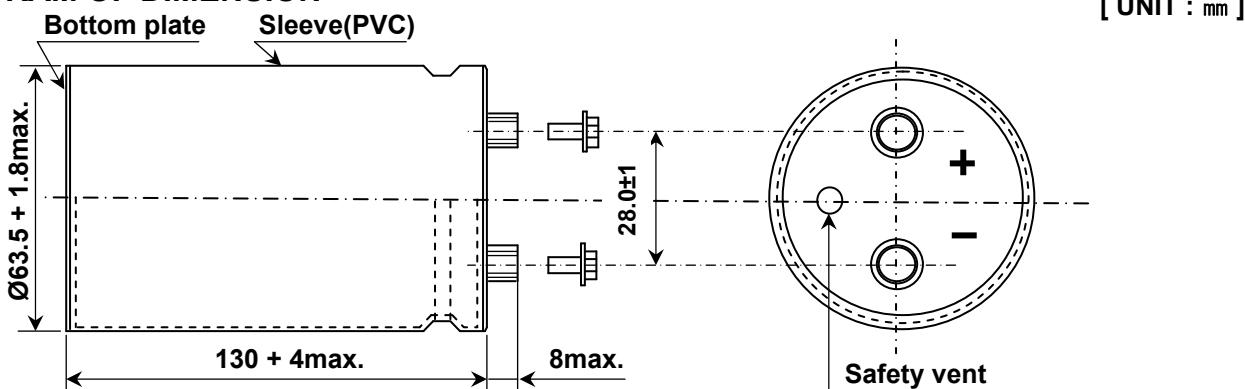
RATING

CASE SIZE

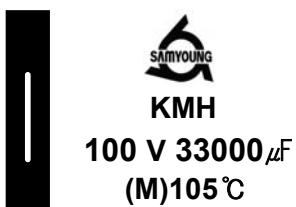
TGA

100 WV 33000 μ F \varnothing 63.5 × 130 L

A. DIAGRAM OF DIMENSION



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)
- ④ SAMYOUNG's symbol NO(1)

FRONT VIEW OF CAPACITOR

C. ELECTRICAL CHARACTERISTICS

A. OPERATING TEMPERATURE RANGE	: <u>-40</u> ~ <u>+105</u> °C
B. RATED VOLTAGE	: <u>100 V_{DC}</u>
C. SURGE VOLTAGE	: <u>125 V_{DC}</u>
D. CAPACITANCE TOLERANCE	: <u>±20%</u> (at 20 °C, 120Hz)
E. LEAKAGE CURRENT	: Lower <u>5000 μA</u> , after 5 minutes at 20 °C
F. DISSIPATION FACTOR (TANδ)	: Lower <u>0.62</u> at 105 °C, 120Hz
G. MAX. RIPPLE CURRENT	: <u>13.4 Arms</u> at <u>105 °C</u> , <u>120 Hz</u>
H. TEMPERATURE CHARACTERISTICS	

(Capacitance change ratio) : C(-40 °C) / C(20 °C) \geq 0.6 (at 120Hz)I. LOAD LIFE : The following specifications shall be satisfied when the capacitors are restored to 20 °C, after the ripple duplicated voltage (\leq WV) applied for 2,000 hours at 105 °C.

- # Capacitance change : \leq ±20 % of the initial value
- # Tanδ : \leq 200 % of the initial specified value
- # Leakage current : \leq The initial specified value

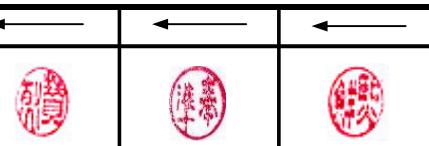
J. SHELF LIFE : The following specifications shall be satisfied when the capacitors are restored to 20 °C, after exposing them at 105 °C for 500 hours without voltage applied.

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 : \leq ±20 % of the initial value
- # Tanδ : \leq 200 % of the initial specified value
- # Leakage current : \leq The initial specified value

K. CLEANING CONDITIONS : Non-solvent proof

L. OTHERS : Satisfied characteristics W of KS C 6421



SamYoung Electronics Co., Ltd.