ALUMINUM ELECTROLYTIC CAPACITORS

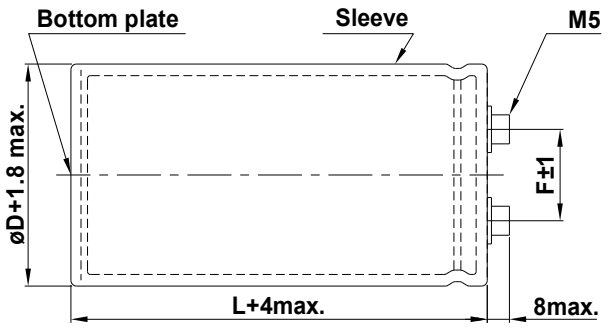
APPROVAL NO. 11603

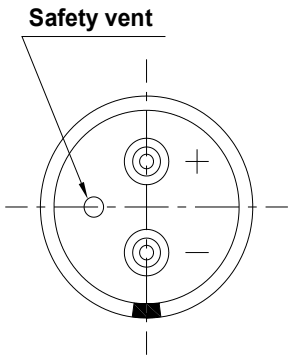
TGA 400 LG 4700 (M)

SERIES	TGA
RATING	400 V 4700 ㎌
CASE SIZE	Ø 76.5 × 110 L

A. DIAGRAM OF DIMENSION

[UNIT : ㎜]





ØD	76.5
L	110
F	31.5

B. MARKING: BROWN SLEEVE & SILVER INK

SAMYOUNG

TGA
400V 4700㎌
(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 : - 25 ~ +105℃
B. RATED VOLTAGE : 400 V_{DC}
C. SURGE VOLTAGE : 450 V_{DC}
D. CAPACITANCE TOLERANCE : ±20% (at 20℃, 120㎐)
E. LEAKAGE CURRENT : Lower 5000 ㎂, after 5 minutes at 20℃
F. DISSIPATION FACTOR (TANδ) : Lower 0.20 at 20℃, 120㎐
G. RATED RIPPLE CURRENT : 7.1 Arms at 105℃, 120㎐
H. TEMPERATURE CHARACTERISTICS :
(Capacipation change ratio) C(-25℃) / C(20℃) ≥ 0.7 (at 120㎐)

I. LOAD LIFE : The follwing specifications shall be satisfied when the capacitors are restored to 20℃ 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℃ after exposing them at 105℃ 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
Tanδ ≤ 200 % 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