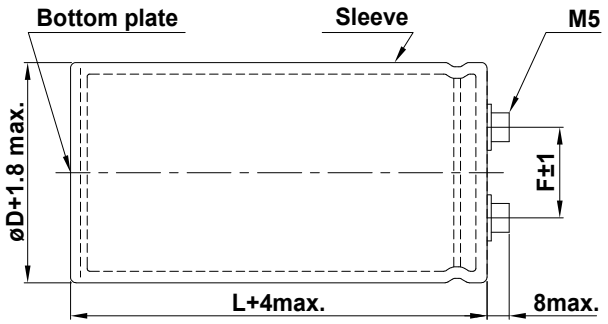
ALUMINUM ELECTROLYTIC CAPACITORS

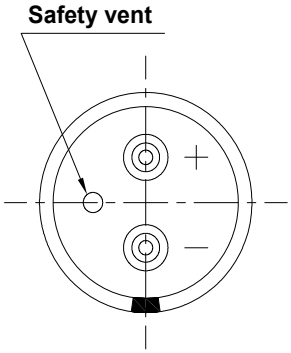
APPROVAL NO. 10663

TGA 100 LG 100000 (M)		
	SERIES	TGA
	RATING	100 V 100000 ㎌
	CASE SIZE	Ø 89 × 160 L

A. DIAGRAM OF DIMENSION

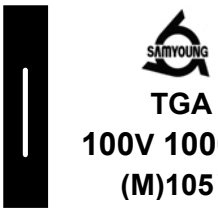
[UNIT : ㎜]





ØD	89
L	160
F	31.5

B. MARKING: BROWN SLEEVE & SILVER INK



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 : - 40 ~ +105℃
B. RATED VOLTAGE : 100 V_{DC}
C. SURGE VOLTAGE : 125 V_{DC}
D. CAPACITANCE TOLERANCE : ±20% (at 20℃, 120㎐)
E. LEAKAGE CURRENT : Lower 5000 ㎂, after 5 minutes at 20℃
F. DISSIPATION FACTOR (TANδ) : Lower 0.60 at 20℃, 120㎐
G. RATED RIPPLE CURRENT : 26.8 Arms at 105℃, 120㎐
H. TEMPERATURE CHARACTERISTICS :
(Capacipation change ratio) C(-40℃) / C(20℃) ≥ 0.6 (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 ripple 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