# ALUMINUM ELECTROLYTIC CAPACITORS

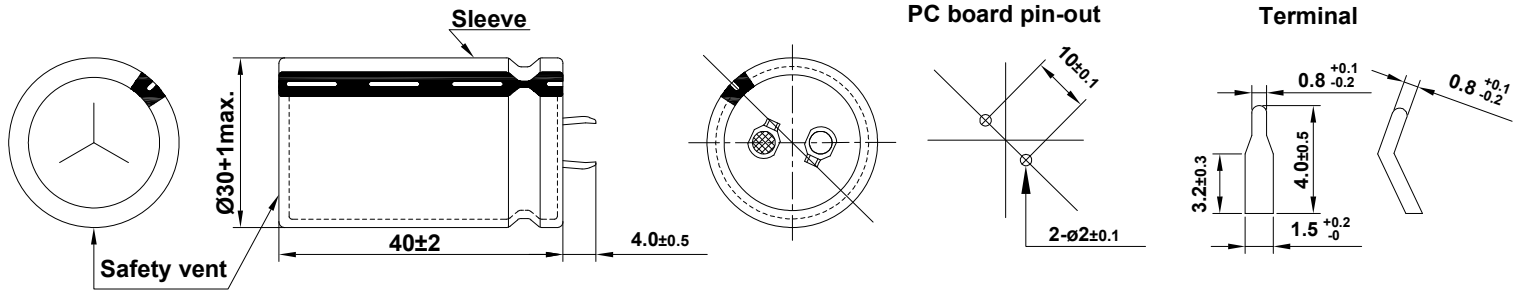
APPROVAL NO. 9454

## TDC 100 VS 2200 (M)

| | |
|---|---|
| SERIES | TDC |
| RATING | 100 V 2200 ㎌ |
| CASE SIZE | Ø 30 × 40 L |

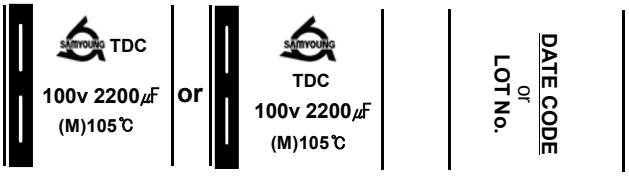
## A. DIAGRAM OF DIMENSION

[ UNIT : ㎜ ]




## B. MARKING: BROWN SLEEVE & SILVER INK

< VIEW OF CAPACITOR >




< FRONT > < BACK >

**< LOT No. :** Sleeve or bottom plate marking. **>**

①②③④
or
①②
③④

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
Korea : 1, China : <1>

**< DATE CODE :** Sleeve marking. **>**

①②③④

①②:YEAR : The ending of A.D.
③④:WEEKS : 01 ~ 52

## 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 3000 ㎂, after 5 minutes at 20℃
F. DISSIPATION FACTOR (Tanδ) : Lower 0.30 at 20℃, 120㎐
G. RATED RIPPLE CURRENT : 2.59 Arms at 105℃, 120㎐
H. TEMPERATURE CHARACTERISTIC (Max. Impedance ratio) :

| | |
|---|---|
| Z(-25℃) / Z(20℃) | 2 |
| Z(-40℃) / Z(20℃) | 5 |

(at 120㎐)

I. LOAD LIFE : The following specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage is applied 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 1,000 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 characteristics KS C IEC 60384-4