ALUMINUM ELECTROLYTIC CAPACITORS

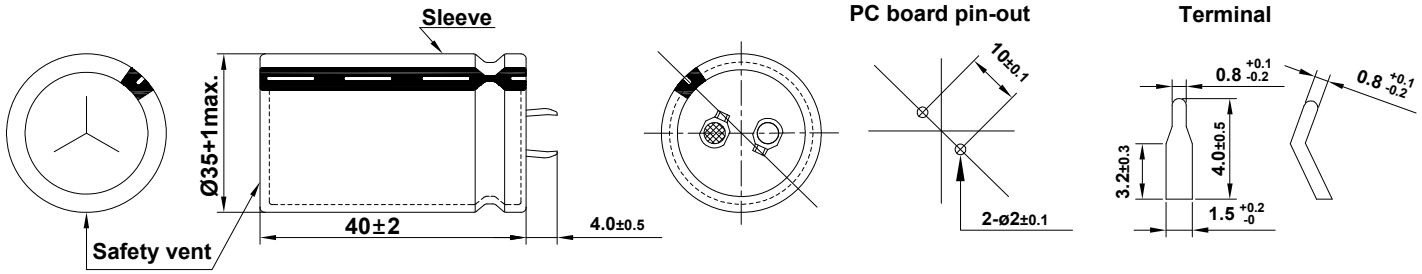
APPROVAL NO. 10112

TLC 250 VS 1000 (M)

SERIES	TLC
RATING	250 V 1000 ㎌
CASE SIZE	Ø 35 × 40 L

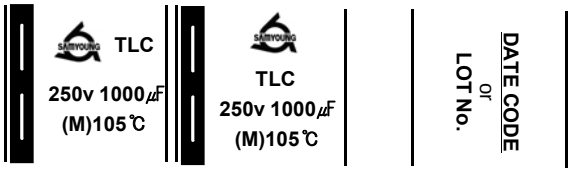
A. DIAGRAM OF DIMENSION

[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 : - 25 ~ +105℃
B. RATED VOLTAGE : 250 V_{DC}
C. SURGE VOLTAGE : 300 V_{DC}
D. CAPACITANCE TOLERANCE : ± 20% at 20℃, 120㎐
E. LEAKAGE CURRENT : Lower 3000 ㎂, after 5 minutes at 20℃
F. DISSIPATION FACTOR (Tanδ) : Lower 0.20 at 20℃, 120㎐
G. RATED RIPPLE CURRENT : 2.25 Arms at 105℃, 120㎐
H. TEMPERATURE CHARACTERISTIC :

Z(-25℃) / Z(20℃)	4

(Max. Impedance ratio) (at 120㎐)

I. LOAD LIFE : The following 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 5,000 hours at 105℃.
Capacitance change ≤ ±25 % of the initial value
Tanδ ≤ 250 % 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 ≤ 150 % 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