ALUMINUM ELECTROLYTIC CAPACITORS

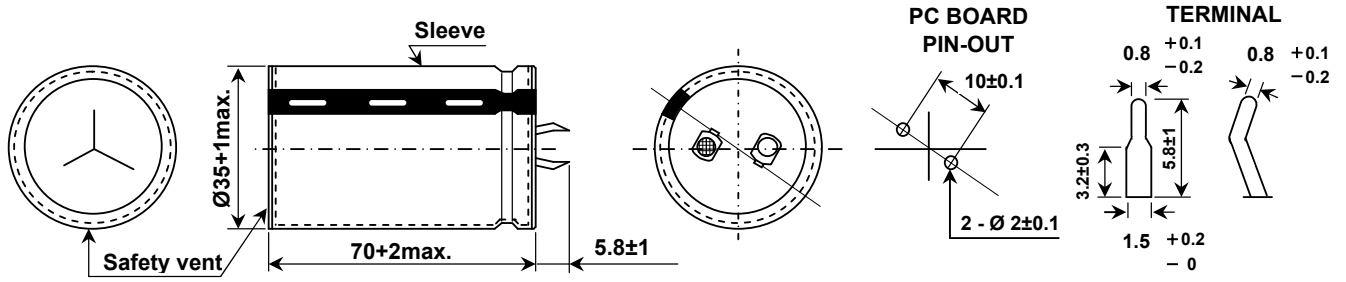
APPROVAL NO. 3412

TDC 100 VN 10000 (M)

SERIES	TDC
RATING	100 WV 10000 ㎌
CASE SIZE	Ø 35 × 70 L

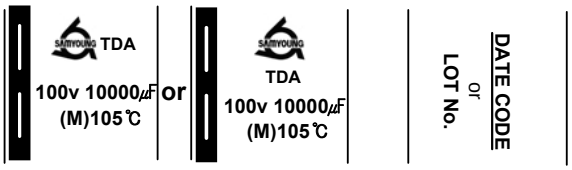
A. DIAGRAM OF DIMENSION

[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 symbol No.
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 0.45 at 20℃, 120㎐
G. MAX. RIPPLE CURRENT : 4.97 Arms at 105℃, 120㎐
H.TEMPERATURE CHARACTERISTIC
(Max. Impedance ratio) : Z(-25℃) / Z(20℃) = 2 (at 120㎐)
: Z(-40℃) / Z(20℃) = 5

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 the expoing them at max. operating temperature 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 charateristics W of KS C 6421