ROPLA 2019.05.23

ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

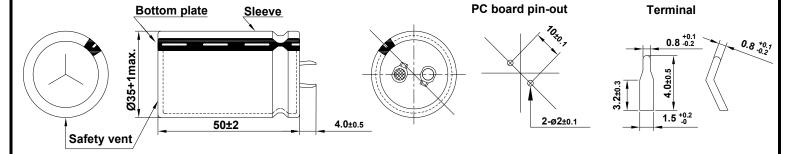
9973

TDC 400 VS 820 (M)

SERIES	TDC
RATING	400 V 820 μF
CASE SIZE	Ø 35 × 50 L

A. DIAGRAM OF DIMENSION

[UNIT: mm]



B. MARKING: <u>BROWN</u> SLEEVE & <u>SILVER</u> INK

< VIEW OF CAPACITOR >







< FRONT >

< BACK >

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

1234 or ①:The ending figure of manufactured year in A.D. ②:Manufactured month(1,2,3,...,9,O,N,D)

(1) (2)
 (3) (4)

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

I. LOAD LIFE

A. OPERATING TEMPERATURE RANGE : $\underline{-25} \sim \pm 105 \,^{\circ}$

B. RATED VOLTAGE : $\frac{400 \text{ V}_{DC}}{200 \text{ V}_{DC}}$: $\frac{450 \text{ V}_{DC}}{200 \text{ V}_{DC}}$

D. CAPACITANCE TOLERANCE : $\pm 20\%$ at 20 °C, 120 Hz

E. LEAKAGE CURRENT : Lower 3000

µA, after 5 minutes at 20 ℃

F. DISSIPATION FACTOR (Tan δ) : Lower <u>0.15</u> at 20 $^{\circ}$ C, 120 Hz G. RATED RIPPLE CURRENT : <u>2.27 Arms</u> at 105 $^{\circ}$ C, 120 Hz

H. TEMPERATURE CHARACTERISTIC

(Max Impodance ratio)

(Z(-25°C) / Z(20°C) 4

(Max. Impedance ratio) 2(-25 G) / 2(20 G) (at 120 Hz)

after the rated voltage is applied for 2,000 hours at 105°C.

Capacitance change : $\leq \pm 20$ % of the initial value

Tan δ : $\leq 200 \%$ of the initial specified value

Leakage current $: \leq$ The initial specified value

after exposing them at 105°C for 1,000 hours without voltage applied.

The rated voltage shall be applied to the capacitors for a minimum of 30 minutes,

: The following specifications shall be satisfied when the capacitors are restored to 20°C

at least 24 hours and not more than 48 hours before the measurements.

Capacitance change : $\leq \pm 20 \%$ of the initial value

Tan δ : $\leq 200 \%$ 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

