ROPLA 2018.08.31

ALUMINUM ELECTROLYTIC CAPACITORS

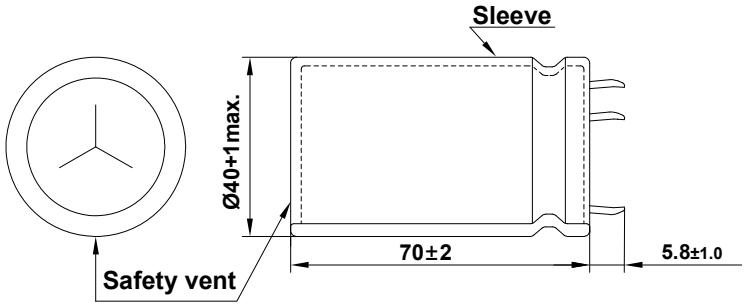
APPROVAL NO. 9319

RDC 400 VN4T 1500 (M)

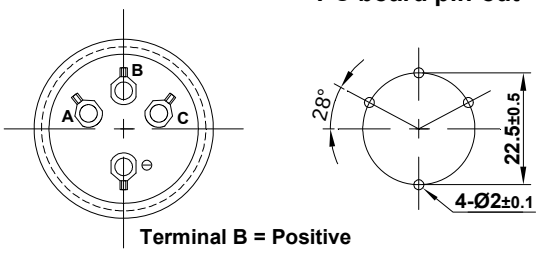
SERIES	RDC
RATING	400 V 1500 ㎌
CASE SIZE	Ø 40 × 70 L

A. DIAGRAM OF DIMENSION

[UNIT : ㎜]



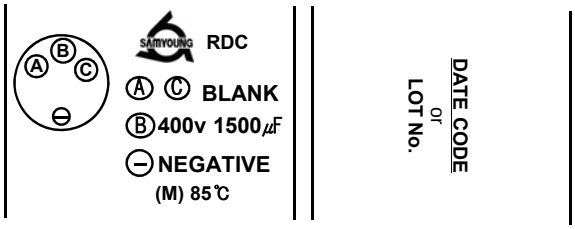
PC board pin-out



Terminal B = Positive
Terminal A&C = Blank
Terminal ⊖ = Negative

B. MARKING: BLACK SLEEVE & SILVER INK

< VIEW OF CAPACITOR >



< 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 ~ +85℃
B. RATED VOLTAGE : 400 V_{DC}
C. SURGE VOLTAGE : 450 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 : 4.72 Arms at 85℃, 120㎐
H. TEMPERATURE CHARACTERISTIC :

(Max. Impedance ratio)	Z(-25℃) / Z(20℃)	4

(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 85℃.
- # 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 85℃ 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

←	←	←