ROPLA 2013.04.11

ALUMINUM ELECTROLYTIC CAPACITORS

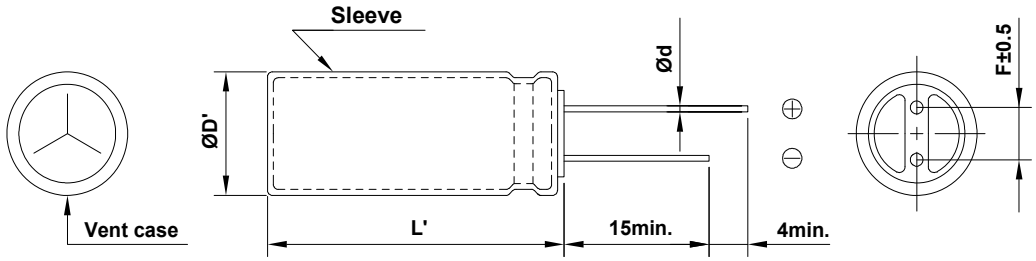
APPROVAL NO. 4389

NXQ 25 VB 100 (M)

SERIES	NXQ
RATING	25 V 100 ㎌
CASE SIZE	Ø 6.3 × 11 L

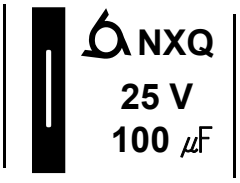
A. DIAGRAM OF DIMENSION

[Unit : ㎜]

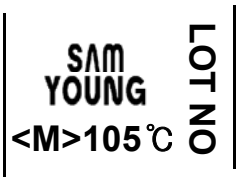


ØD	6.3
L	11
Ød	0.5
F	2.5
ØD'	ØD+0.5 max.
L'	L+1.5 max.

B. MARKING : DARK BROWN SLEEVE & SILVER INK



FRONT VIEW OF CAPACITOR



BACK VIEW OF CAPACITOR

C. ELECTRICAL CHARACTERISTICS

A. OPERATING TEMPERATURE RANGE : - 40 ~+105℃

B. RATED VOLTAGE : 25 V_{DC}

C. SURGE VOLTAGE : 32 V_{DC}

D. CAPACITANCE TOLERANCE : ±20% at 20℃,120㎐

E. LEAKAGE CURRENT : Lower 25 ㎂ , after 2 minutes at 20℃

F. DISSIPATION FACTOR (TANδ) : Lower 0.14 at 20℃, 120㎐

G. MAX. RIPPLE CURRENT : 700 mArms at 105℃ , 100㎑

H. TEMPERATURE CHARACTERISTIC :

(Max. Impedance ratio) Z(-25℃) / Z(20℃) = 2

Z(-40℃) / Z(20℃) = 3 (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 7,000 hours at 105℃.

Capacitance change ≤ ±25 % 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 for 500 hours at 105℃ 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 measurement.

Capacitance change ≤ ±25 % 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 KS C IEC 60384-4

※ IMP.(20℃,100㎑) : 0.17 (Ω) ↓