ALUMINUM ELECTROLYTIC CAPACITORS

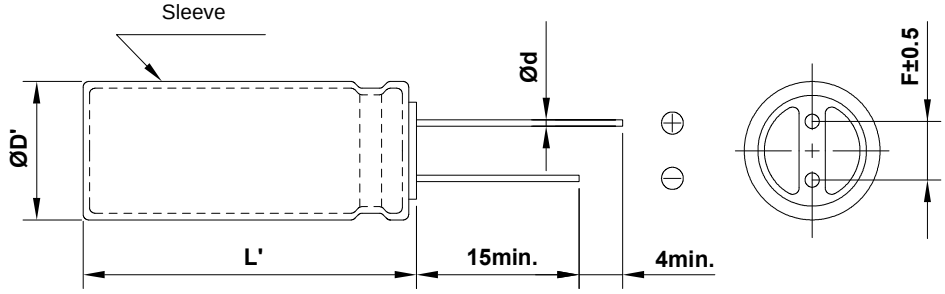
APPROVAL NO. 4388

NXH 25 VB 47 (M)

SERIES	NXH
RATING	25 V 47 ㎌
CASE SIZE	Ø 5 × 11 L

A. DIAGRAM OF DIMENSION

[UNIT : ㎜]



ØD	5
L	11
Ød	0.5
F	2.0
ØD'	ØD+0.5max.
L'	L+1.5max.

B. MARKING: YELLOW SLEEVE & BLACK INK

FRONT VIEW OF CAPACITOR

* MARKED ON THE TOP OF THE CASE

SAM YOUNG

<M>105℃

or

* MARKED ON THE SLEEVE

<M>105℃ LOT NO

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 11.75 ㎂ , after 2 minutes at 20℃

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

G. MAX. RIPPLE CURRENT : 250 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 ripple current is applied (the peak voltage shall not exceed the rated voltage) for 6,000 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 1,000 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㎑) : 0.30 (Ω) ↓