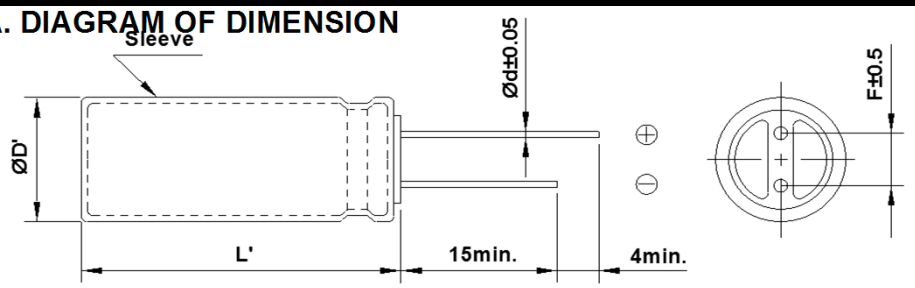
ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO. 8167

NXA 35 VB 47 (M)

SERIES	NXA
RATING	35 V 47 ㎌
CASE SIZE	Ø 5 × 11 L

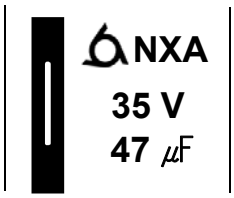
A. DIAGRAM OF DIMENSION



[UNIT:㎜]

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

B. MARKING: DARK BROWN SLEEVE & SILVER INK



FRONT VIEW OF CAPACITOR

* MARKED ON THE TOP OF THE CASE

SAM YOUNG <M>105℃

or

* MARKED ON THE SLEEVE

LOT NO <M>105℃

BACK VIEW OF CAPACITOR

C. ELECTRICAL CHARACTERISTICS

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

B. RATED VOLTAGE : 35 V_{DC}

C. SURGE VOLTAGE : 44 V_{DC}

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

E. LEAKAGE CURRENT : Lower 16.5 ㎂ , after 2 minutes at 20℃

F. DISSIPATION FACTOR (TANδ) : Lower 0.12 at 20℃, 120㎐

G. RATED RIPPLE CURRENT : 210 mArms at 105℃ , 100㎑

H. RATED RIPPLE CURRENT MULTIPLI (Frequency Multipliers) :

Freq.(㎐)	120	1k	10k	50k	100k
Factor	0.40	0.75	0.90	0.95	1.00

I. TEMPERATURE CHARACTERISTIC (Max. Impedance ratio) :

Z(-25℃) / Z(20℃)	2
Z(-40℃) / Z(20℃)	3

(at 120㎐)

J. 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 5,000 hours at 105℃.

Capacitance change ≤ ±25 % of the initial value

Tanδ ≤ 200 % of the initial specified value

Leakage Current ≤ The initial specified value

K. 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

L. CLEANING CONDITIONS : Non-solvent proof

M. OTHERS : Satisfied charateristics KS C IEC 60384-4

※ IMP(20℃,100㎑) : 0.58 (Ω)↓