

ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

8938

NXA 100 VB 10 (M)

SERIES

NXA

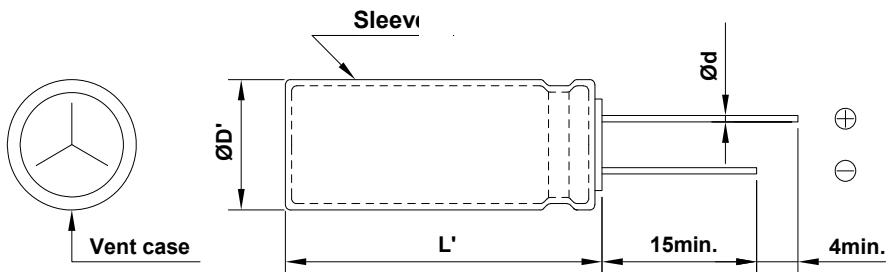
RATING

100 V 10 μ F

CASE SIZE

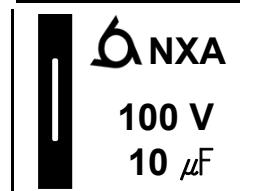
 \varnothing 6.3 x 11 L

A. DIAGRAM OF DIMENSION



$\varnothing D$	6.3
L	11
$\varnothing d$	0.5
F	2.5
$\varnothing D'$	$\varnothing D+0.5$ 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°C
 B. RATED VOLTAGE : 100 V_{DC}
 C. SURGE VOLTAGE : 125 V_{DC}
 D. CAPACITANCE TOLERANCE : ±20% at 20°C, 120Hz
 E. LEAKAGE CURRENT : Lower 10 μ A, after 2 minutes at 20°C
 F. DISSIPATION FACTOR (TANδ) : Lower 0.08 at 20°C, 120Hz
 G. RATED RIPPLE CURRENT : 185 mArms at 105°C, 100kHz
 H. RATED RIPPLE CURRENT MULTIPLIERS : (Frequency Multipliers)

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

- I. TEMPERATURE CHARACTERISTIC : (Max.Impedance ratio) : Z(-25°C) / Z(20°C) = 2
Z(-40°C) / Z(20°C) = 3

(at 120Hz)

- J. LOAD LIFE : The following specifications shall be satisfied when the capacitors are restored to 20°C 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°C.

Capacitance change \leq ±25 % of the initial value# Tanδ \leq 200 % of the initial specified value# Leakage Current \leq The initial specified value

- K. SHELF LIFE : The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 500 hours at 105 °C 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 \leq ±25 % of the initial value# Tanδ \leq 200 % of the initial specified value# Leakage Current \leq The initial specified value

- L. CLEANING CONDITIONS : Non-solvent proof

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

※ IMP.(20 °C, 100kHz) : 0.60 (Ω) ↓

Sam Young Electronics Co., Ltd.