ROPLA 2019.11.12

ALUMINUM ELECTROLYTIC CAPACITORS

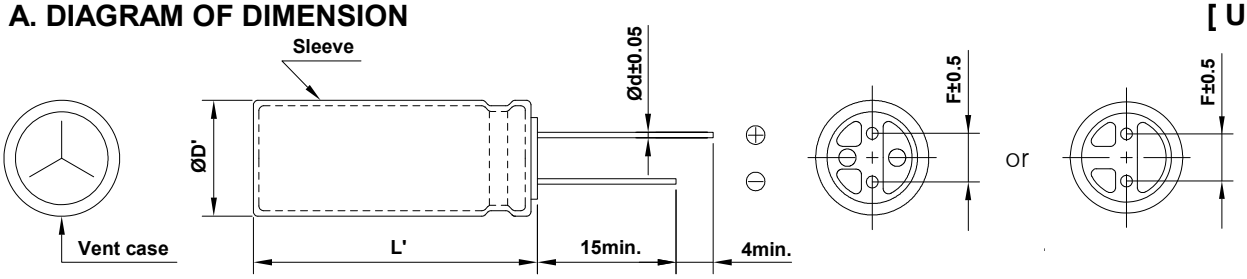
APPROVAL NO. 10389

NXA 63 VB 1000 (M)

SERIES	NXA
RATING	63 V 1000 μF
CASE SIZE	Ø 16 × 30 L

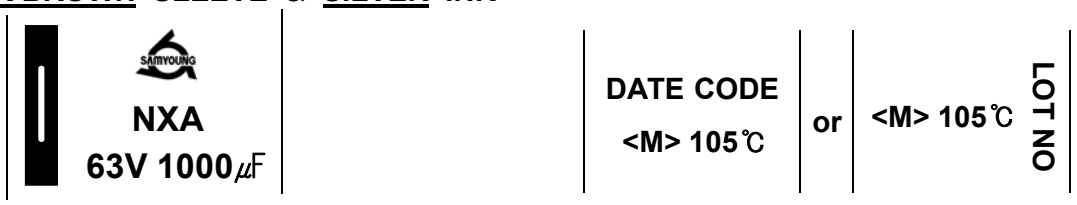
A. DIAGRAM OF DIMENSION

[UNIT : mm]



ØD	16
L	30
Ød	0.8
F	7.5
ØD'	ØD+0.5 max.
L'	L+2.0 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 : 63 V_{DC}

C. SURGE VOLTAGE : 79 V_{DC}

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

E. LEAKAGE CURRENT : Lower 630 μA , after 2 minutes at 20℃

F. DISSIPATION FACTOR (TANδ) : Lower 0.09 at 20℃, 120㎐

G. RATED RIPPLE CURRENT : 2800 mArms at 105℃ , 100㎑

H. RATED RIPPLE CURRENT MULTIPLIERS (Frequency Multipliers) :

Freq.(㎐)	120	1k	10k	50k	100k
Factor	0.60	0.87	0.95	0.97	1.00

I. TEMPERATURE CHARACTERISTIC (Max. Impedance ratio) :

Z(-25℃) / Z(20℃)	2
Z(-25℃) / 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 10,000 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㎑) : 0.022 (Ω)↓