ROPLA 2017.11.06

ALUMINUM ELECTROLYTIC CAPACITORS

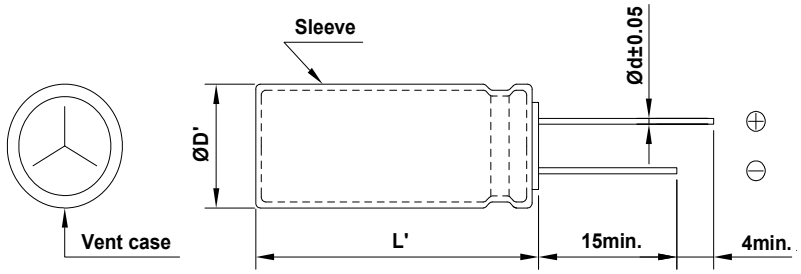
APPROVAL NO. 8581

NXH 50 VB 1000 (M)

SERIES	NXH
RATING	50 V 1000 ㎌
CASE SIZE	Ø 12.5 × 35 L

A. DIAGRAM OF DIMENSION

[Unit : ㎜]



ØD	12.5
L	35
Ød	0.6
F	5.0
ØD'	ØD+0.5 max.
L'	L+2.0 max.

B. MARKING : YELLOW SLEEVE & BLACK INK

FRONT VIEW OF CAPACITOR

BACK VIEW OF CAPACITOR

C. ELECTRICAL CHARACTERISTICS

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

B. RATED VOLTAGE : 50 V_{DC}

C. SURGE VOLTAGE : 63 V_{DC}

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

E. LEAKAGE CURRENT : Lower 500 ㎂ , after 2 minutes at 20℃

F. DISSIPATION FACTOR (TANδ) : Lower 0.10 at 20℃, 120㎐

G. RATED RIPPLE CURRENT : 2960 mArms at 105℃ , 100 ㎑

H. RATED RIPPLE CURRENT MULTIPLI : (Frequency Multipliers)

Freq.(㎐)	120	1k	10k	50k	100k
Factor	0.60	0.80	0.96	0.97	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 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 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 measurements.

- # 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㎑) : 0.019 Ω ↓