

ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

8559

NXH 50 VB 470 (M)

SERIES

NXH

RATING

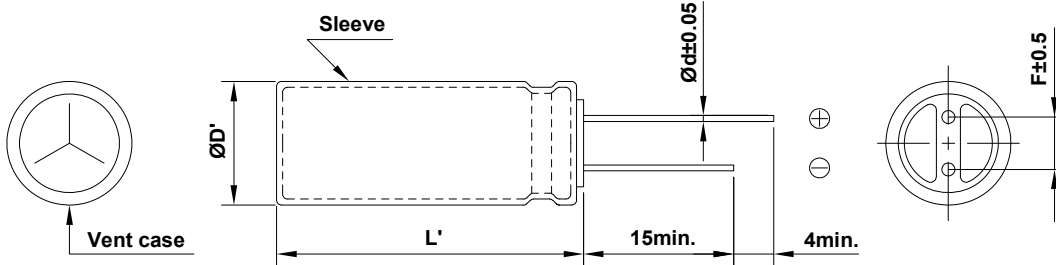
50 V 470 μ F

CASE SIZE

\varnothing 10 x 20 L

A. DIAGRAM OF DIMENSION

[Unit : mm]



ØD	10
L	20
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°C
- B. RATED VOLTAGE : 50 V_{DC}
- C. SURGE VOLTAGE : 63 V_{DC}
- D. CAPACITANCE TOLERANCE : ±20% at 20°C, 120Hz
- E. LEAKAGE CURRENT : Lower 235 µA , after 2 minutes at 20°C
- F. DISSIPATION FACTOR (TANδ) : Lower 0.10 at 20°C, 120Hz
- G. RATED RIPPLE CURRENT : 1580 mArms at 105°C , 100kHz
- H. RATED RIPPLE CURRENT MULTIPLIERS :

Freq.(Hz)	120	1k	10k	50k	100k
Factor	0.55	0.77	0.94	0.96	1.00

(Frequency Multipliers)
- I. TEMPERATURE CHARACTERISTIC :

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 10,000 hours at 105°C.
 - # 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°C after exposing them for 1,000 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 ≤ ±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 characteristics KS C IEC 60384-4

※ IMP.(20°C, 100kHz) : **0.030 (Ω)** ↓

