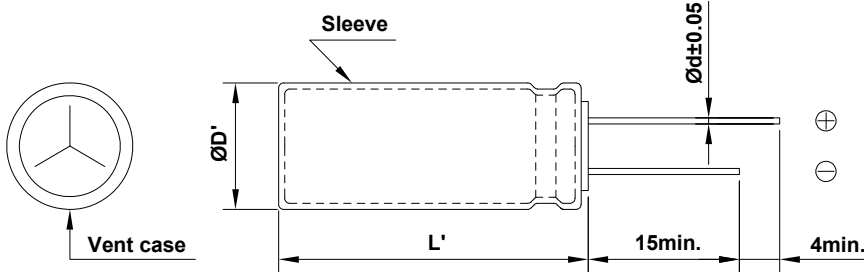


ALUMINUM ELECTROLYTIC CAPACITORS	APPROVAL NO. <b>8007</b>
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NXQ 35 VB 2200 (M)	SERIES NXQ
	RATING 35 V 2200 $\mu$ F
	CASE SIZE $\varnothing$ 12.5 x 40 L

**A. DIAGRAM OF DIMENSION**

[ UNIT : mm ]



ØD	12.5
L	40
Ød	0.6
F	5.0
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°C
- B. RATED VOLTAGE : 35 V<sub>DC</sub>
- C. SURGE VOLTAGE : 44 V<sub>DC</sub>
- D. CAPACITANCE TOLERANCE : ± 20% at 20°C, 120Hz
- E. LEAKAGE CURRENT : Lower 770 µA, after 2 minutes at 20°C
- F. DISSIPATION FACTOR (TANδ) : Lower 0.14 at 20°C, 120Hz
- G. RATED RIPPLE CURRENT : 3650 mArms at 105°C, 100kHz
- H. RATED RIPPLE CURRENT MULTIPLIERS : 

Freq.(Hz)	120	1k	10k	50k	100k
Factor	0.70	0.85	0.98	0.99	1.00

(Frequency Multipliers)
- I. TEMPERATURE CHARACTERISTIC : 

Z(-25°C) / Z(20°C)	2
Z(-40°C) / Z(20°C)	3

(Max. Impedance ratio) (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 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 ≤ ±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) : **0.015 (Ω) ↓**

