ALUMINUM ELECTROLYTIC CAPACITORS

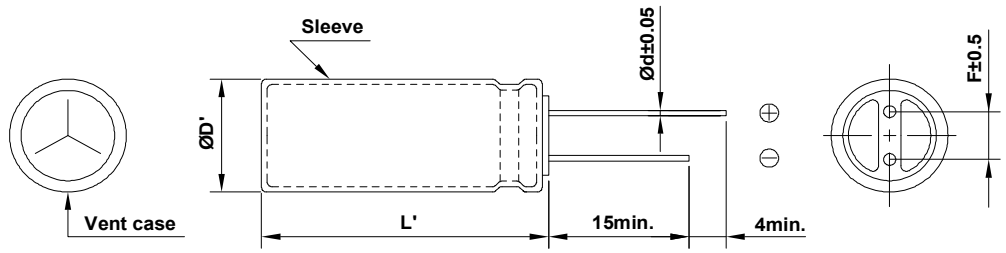
APPROVAL NO. 10565

NXB 25 VB 100 (M)

SERIES	NXB
RATING	25 V 100 ㎌
CASE SIZE	Ø 6.3 × 11 L

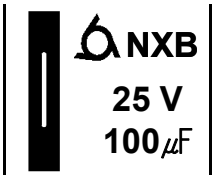
A. DIAGRAM OF DIMENSION

[Unit : ㎜]

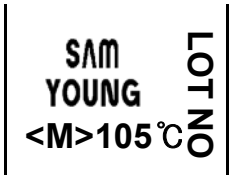


ØD	6.3
L	11
Ød	0.5
F	2.5
ØD'	ØD+0.5 max.
L'	L+1.5 max.

B. MARKING: DARK BROWN SLEEVE & SILVER INK



FRONT VIEW OF CAPACITOR



BACK VIEW OF CAPACITOR

C. ELECTRICAL CHARACTERISTICS

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

B. RATED VOLTAGE : 25 V_{DC}

C. SURGE VOLTAGE : 32 V_{DC}

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

E. LEAKAGE CURRENT : Lower 25 ㎂, after 2 minutes at 20℃

F. DISSIPATION FACTOR (TANδ) : Lower 0.14 at 20℃, 120㎐

G. RATED RIPPLE CURRENT : 405 mArms at 105℃, 100 ㎑

H. RATED RIPPLE CURRENT MULTIPLIERS (Frequency Multipliers) :

Freq.(㎐)	120	1k	10k	50k	100K
Factor	0.40	0.75	0.90	0.95	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 2,000 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㎑) : 0.13 (Ω) ↓