ALUMINUM ELECTROLYTIC CAPACITORS

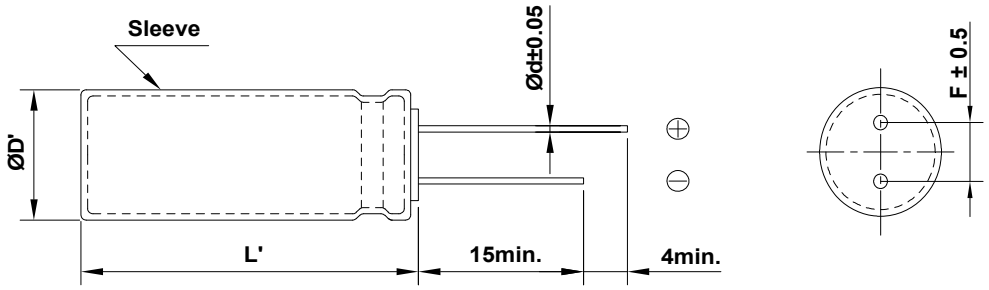
APPROVAL NO. 8295

EXB 50 VB 1 (M)

SERIES	EXB
RATING	50 V 1 ㎌
CASE SIZE	Ø 4 × 5 L

A. DIAGRAM OF DIMENSION

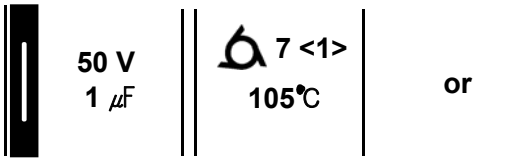
[UNIT : ㎜]



ØD	4
L	5
Ød	0.45
F	1.5
ØD'	ØD+0.5max.
L'	L+1.0max.

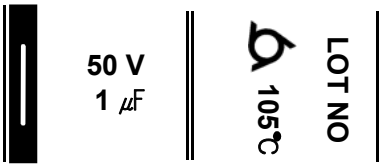
B. MARKING: DARK BROWN SLEEVE & SILVER INK

LOT NO CASE 각인



or

LOT NO TUBE 각인



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 3 ㎂ , after 2 minutes at 20℃

F. DISSIPATION FACTOR (TANδ) : Lower 0.12 at 20℃, 120㎐

G. RATED RIPPLE CURRENT : 25 mArms at 105℃ , 100㎑

H. RATED RIPPLE CURRENT MULTIPLIERS (Max. Impedance ratio) :

Freq.(㎐)	120	1k	10k	50k	100k
Factor	0.40	0.75	0.90	0.95	1.00

I. RATED RIPPLE CURRENT MULTIPLIERS (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 applied for 1,000 hours at 105℃.

Capacitance change ≤ ±20 % 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 the capacitors for 30 minutes, at least 24 hours and not more than 48 hours before the measurement.

Capacitance change ≤ ±20 % of the initial value

Tanδ ≤ 200 % of the initial specified value

Leakage Current ≤ The initial specified value

L. Cleaning Condition : Solvent proof

M. OTHERS : Satisfied characteristics KS C IEC 60384-4

※ IMP.(20℃,100㎑) : 15 Ω ↓