

ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

BLA 16 VC 100 (M)

SERIES

BLA

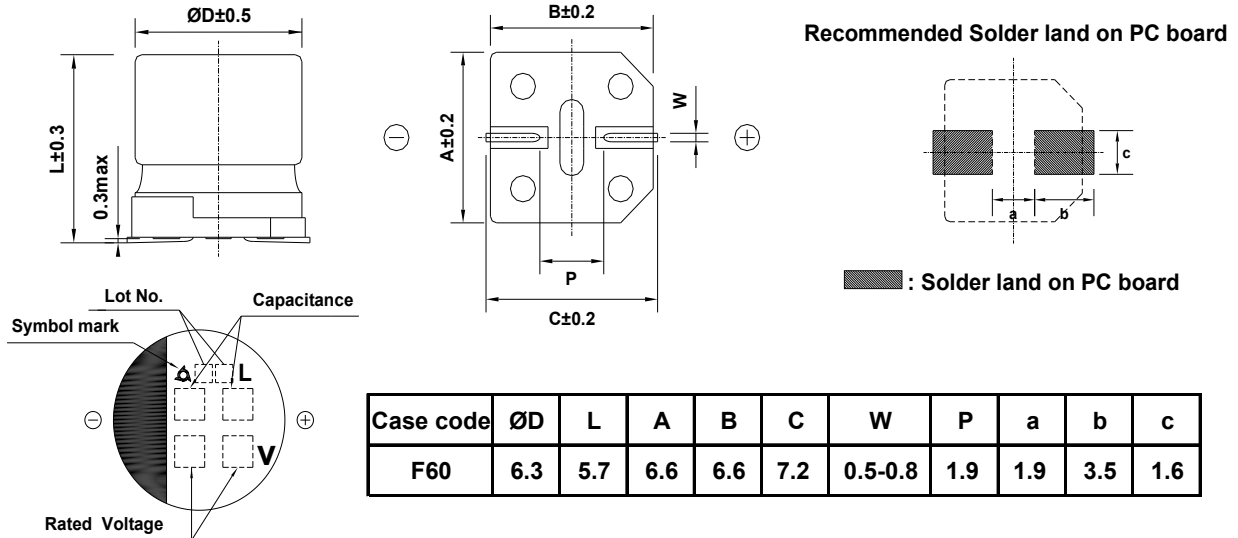
RATING

16 V 100 μ F

CASE SIZE

$\varnothing 6.3 \times 5.7L$

A. DIAGRAM OF DIMENSION



B. ELECTRICAL CHARACTERISTICS

- A. OPERATING TEMPERATURE RANGE : **-40 ~ +105 °C**
- B. RATED VOLTAGE : **16 V_{DC}**
- C. SURGE VOLTAGE : **20 V_{DC}**
- D. CAPACITANCE TOLERANCE : **±20%** at 20 °C, 120Hz
- E. LEAKAGE CURRENT : Lower **16 μ A**, after 2 minutes at 20 °C
- F. DISSIPATION FACTOR (TAN δ) : Lower **0.20** at 20 °C, 120Hz
- G. MAX. RIPPLE CURRENT : **110 mArms** at 105 °C, 120Hz
- H. TEMPERATURE CHARACTERISTIC :

* Max. Impedance ratio

$$Z(-25^\circ\text{C}) / Z(20^\circ\text{C}) = \underline{2}$$

$$Z(-40^\circ\text{C}) / Z(20^\circ\text{C}) = \underline{5} \quad (\text{at } 120\text{Hz})$$

I. RATED TEMPERATURE FACTOR :

	65°C	75°C	85°C	105°C
	1.87	1.70	1.50	1.00

J. RATED RIPPLE CURRENT MULTIPLIERS :

Freq.(Hz)	120	1k	10k	100k
Factor	1.00	1.05	1.08	1.08

K. LOAD LIFE : The following specifications shall be satisfied when the capacitors are restored to 20 °C after the rated voltage applied for **5,000** hours at **105 °C**.

- # Capacitance change \leq **±30%** of the initial value
- # Tan δ \leq **300%** of the initial specified value
- # Leakage Current \leq The initial specified value

L. 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 measurement.

- # Capacitance change \leq **±30%** of the initial value
- # Tan δ \leq **300%** of the initial specified value
- # Leakage Current \leq The initial specified value

M. CLEANING CONDITIONS : Solvent-proof → Refer to Cleaning conditions (Page 6)

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

