

# ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

**BLA 50 VC 22 (M)**

SERIES

BLA

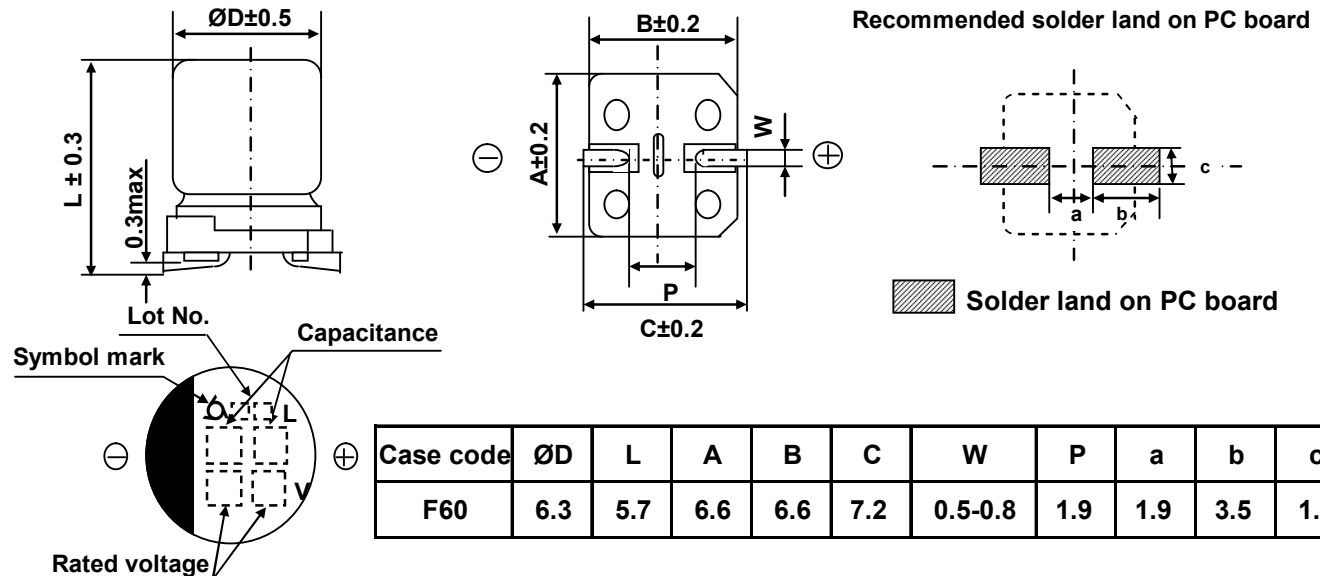
RATING

50 WV 22  $\mu$ F

CASE SIZE

$\varnothing$ 6.3 x 5.7L

## A. DIAGRAM OF DIMENSION



## B. ELECTRICAL CHARACTERISTICS

- A. OPERATING TEMPERATURE RANGE : -40 ~ +105 °C
- B. RATED VOLTAGE : 50 V<sub>DC</sub>
- C. SURGE VOLTAGE : 63 V<sub>DC</sub>
- D. CAPACITANCE TOLERANCE : ± 20% at 20 °C, 120Hz
- E. LEAKAGE CURRENT : Lower 11  $\mu$ A, after 2 minutes at 20 °C
- F. DISSIPATION FACTOR (TAN $\delta$ ) : Lower 0.12 at 20 °C, 120Hz
- G. MAX. RIPPLE CURRENT : 43 mArms at 105 °C, 120Hz
- H. TEMPERATURE CHARACTERISTIC :

\* Max. Impedance ratio

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

$$Z(-40^{\circ}\text{C}) / Z(20^{\circ}\text{C}) = \underline{3} \quad (\text{at } 120\text{Hz})$$

- I. 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 $\delta$   $\leq$  300 % of the initial specified value
- # Leakage Current  $\leq$  The initial specified value

- J. 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 $\delta$   $\leq$  300 % of the initial specified value
- # Leakage Current  $\leq$  The initial specified value

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

- L. OTHERS : Satisfied characteristics W of KS C 6421

