

ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

6396

BDA 25 VC 4.7 (M)

SERIES

BDA

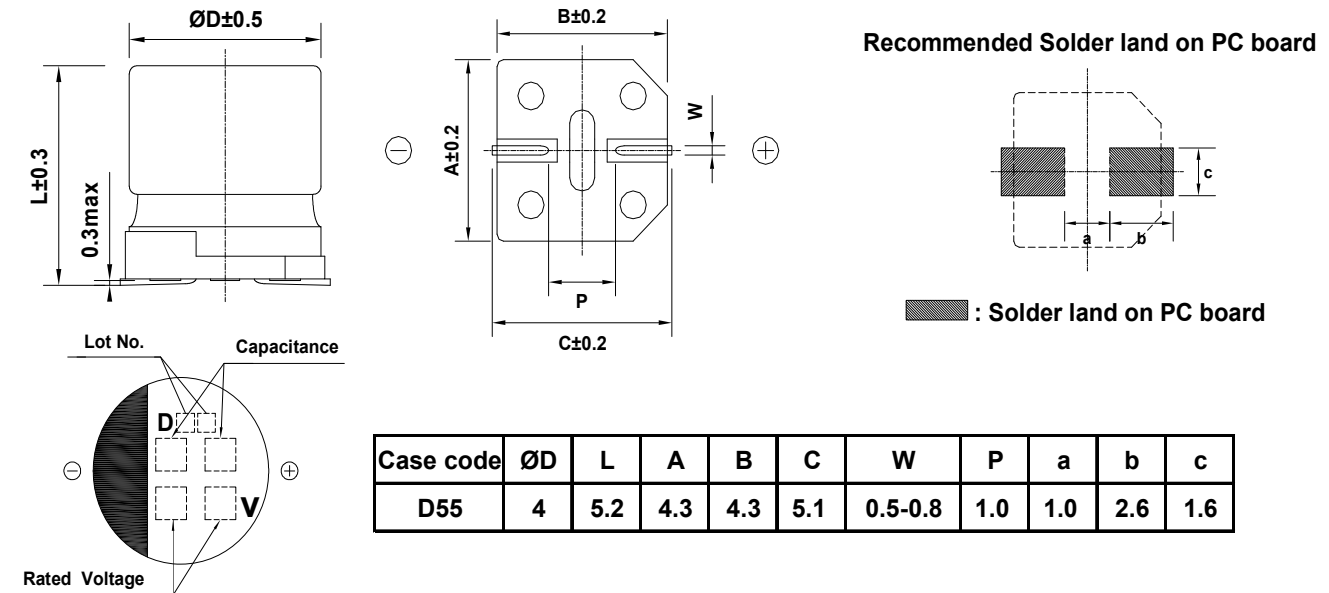
RATING

25 V 4.7 μ F

CASE SIZE

 $\varnothing 4 \times 5.2L$

A. DIAGRAM OF DIMENSION



B. ELECTRICAL CHARACTERISTICS

- A. OPERATING TEMPERATURE RANGE : -40 ~ +105 °C
- B. RATED VOLTAGE : 25 V_{DC}
- C. SURGE VOLTAGE : 32 V_{DC}
- D. CAPACITANCE TOLERANCE : ±20% at 20°C, 120Hz
- E. LEAKAGE CURRENT : Lower 3 μ A, after 2 minutes at 20°C
- F. DISSIPATION FACTOR (TAN δ) : Lower 0.16 at 20°C, 120Hz
- G. MAX. RIPPLE CURRENT : 13 mArms at 105 °C, 120Hz
- H. TEMPERATURE CHARACTERISTIC :
- (Max. Impedance ratio) $Z(-25^{\circ}\text{C}) / Z(20^{\circ}\text{C}) = \underline{2}$
 $Z(-40^{\circ}\text{C}) / Z(20^{\circ}\text{C}) = \underline{3}$ (at 120Hz)
- I. LOAD LIFE : The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 2,000 hours at 105°C.
- # Capacitance change $\leq$ ±20 % of the initial value
- # Tan δ $\leq$ 200 % 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 $\leq$ ±20 % of the initial value
- # Tan δ $\leq$ 200 % of the initial specified value
- # Leakage Current $\leq$ The initial specified value
- K. CLEANING CONDITIONS : Solvent-proof
- L. OTHERS : Satisfied characteristics KS C IEC 60384-4

