

ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

6405

BDA 6.3 VC 100 (M)

SERIES

BDA

RATING

6.3 V 100 μ F

CASE SIZE

$\varnothing 6.3 \times 5.7L$

A. DIAGRAM OF DIMENSION

Recommended Solder land on PC board

⬛ : Solder land on PC board

Lot No. Capacitance Symbol mark Rated Voltage (Note 1)

Note 1 : 6.3WV is marked by 6V

Case code	$\varnothing D$	L	A	B	C	W	P	a	b	c
F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	1.9	3.5	1.6

B. ELECTRICAL CHARACTERISTICS

- A. OPERATING TEMPERATURE RANGE : **-40 ~ +105 °C**
- B. RATED VOLTAGE : **6.3 V_{DC}**
- C. SURGE VOLTAGE : **8 V_{DC}**
- D. CAPACITANCE TOLERANCE : **± 20%** at 20 °C, 120Hz
- E. LEAKAGE CURRENT : Lower **6.3 μ A**, after 2 minutes at 20 °C
- F. DISSIPATION FACTOR (TAN δ) : Lower **0.28** at 20 °C, 120Hz
- G. MAX. RIPPLE CURRENT : **56 mArms** at 105 °C, 120Hz
- H. TEMPERATURE CHARACTERISTIC :
 (Max. Impedance ratio) $Z(-25^\circ\text{C}) / Z(20^\circ\text{C}) = \frac{3}{8}$
 $Z(-40^\circ\text{C}) / Z(20^\circ\text{C}) = \frac{8}{8}$ (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 **±25 %** 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 **±25 %** 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

