

ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

6410

BDS 6.3 VC 1000 (M)

SERIES

BDS

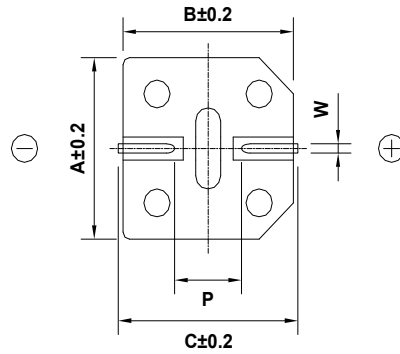
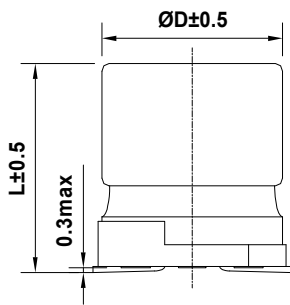
RATING

6.3 V 1000 μ F

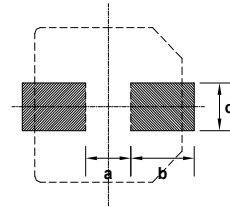
CASE SIZE

\varnothing 8 x 10L

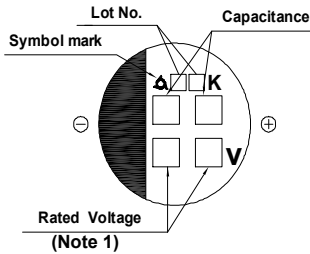
A. DIAGRAM OF DIMENSION



Recommended Solder land on PC board



█ : Solder land on PC board



Note 1 : 6.3WV is marked by 6V

| Case code | ØD | L | A | B | C | W | P | a | b | c |
|-----------|----|----|-----|-----|-----|---------|-----|-----|-----|-----|
| H10 | 8 | 10 | 8.3 | 8.3 | 9.0 | 0.7-1.1 | 3.1 | 3.1 | 4.2 | 2.2 |

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 **63 μ A**, after 2 minutes at 20°C
- F. DISSIPATION FACTOR (TAN δ) : Lower **0.40** at 20°C, 120Hz
- G. MAX. RIPPLE CURRENT : **430 mArms** at 105 °C, 120Hz
- H. TEMPERATURE CHARACTERISTIC :
 (Max. Impedance ratio) $Z(-25^{\circ}\text{C}) / Z(20^{\circ}\text{C}) = \frac{4}{10}$
 $Z(-40^{\circ}\text{C}) / Z(20^{\circ}\text{C}) = \frac{10}{10}$ (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

