

# ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

6462

**BDS 35 VC 330 (M)**

SERIES

BDS

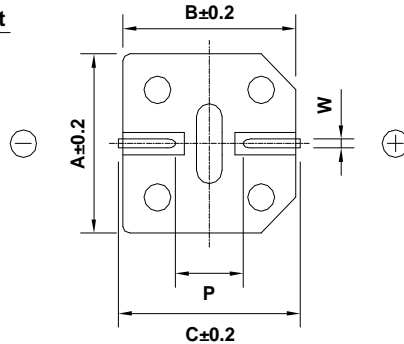
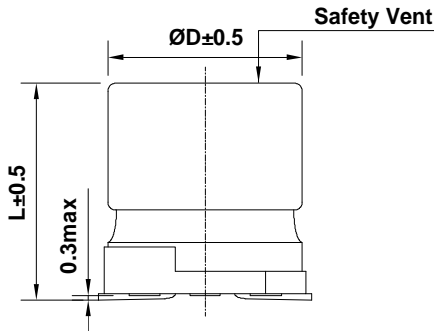
RATING

35 V 330  $\mu$ F

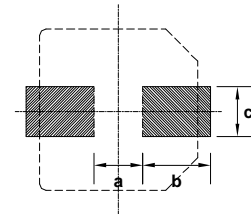
CASE SIZE

$\varnothing$ 10 x 10L

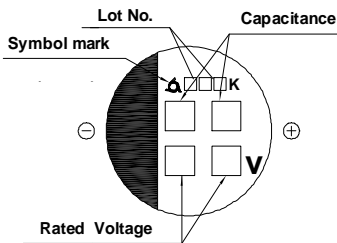
## A. DIAGRAM OF DIMENSIONS



Recommended Solder land on PC board



▨ : Solder land on PC board



Case code	ØD	L	A	B	C	W	P	a	b	c
J10	10	10	10.3	10.3	11.0	0.7-1.1	4.5	4.5	4.4	2.2

## B. ELECTRICAL CHARACTERISTICS

- A. OPERATING TEMPERATURE RANGE : -40 ~ +105°C
- B. RATED VOLTAGE : 35 V<sub>DC</sub>
- C. SURGE VOLTAGE : 44 V<sub>DC</sub>
- D. CAPACITANCE TOLERANCE : ±20% at 20°C, 120Hz
- E. LEAKAGE CURRENT : Lower 115.5  $\mu$ A, after 2 minutes at 20°C
- F. DISSIPATION FACTOR (TAN  $\delta$ ) : Lower 0.14 at 20°C, 120Hz
- G. MAX. RIPPLE CURRENT : 450 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  $\leq \underline{\pm 20\%}$  of the initial value
  - # Tan  $\delta$   $\leq \underline{200\%}$  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  $\leq \underline{\pm 20\%}$  of the initial value
  - # Tan  $\delta$   $\leq \underline{200\%}$  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

