

ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

7691

BDS 400 VC 10 (M)

SERIES

BDS

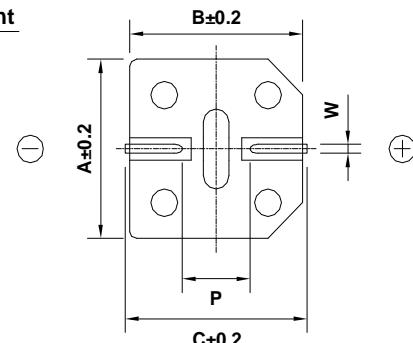
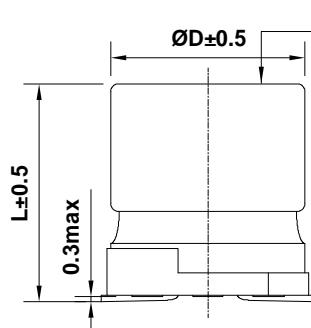
RATING

400 V 10 μ F

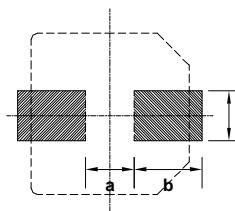
CASE SIZE

 \varnothing 12.5 x 13.5L

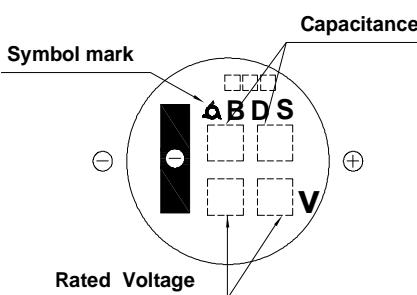
A. DIAGRAM OF DIMENSIONS



Recommended Solder land on PC board



■ : Solder land on PC board



Case code	\varnothing D	L	A	B	C	W	P	a	b	c
K14	12.5	13.5	13.0	13.0	13.7	1.0-1.3	4.2	4.0	5.7	2.5

B. ELECTRICAL CHARACTERISTICS

- A. OPERATING TEMPERATURE RANGE : -40 ~ +105°C
- B. RATED VOLTAGE : 400 V_{DC}
- C. SURGE VOLTAGE : 450 V_{DC}
- D. CAPACITANCE TOLERANCE : ± 20% at 20°C, 120Hz
- E. LEAKAGE CURRENT : Lower 260 μ A, after 1 minute at 20°C
- F. DISSIPATION FACTOR (TAN δ) : Lower 0.20 at 20°C, 120Hz
- G. RATED RIPPLE CURRENT : 52 mArms at 105°C, 120Hz
- H. RATED RIPPLE CURRENT MULTIPLIERS
(Frequency Multipliers) :

Freq.(Hz)	120	1k	10k	100k
Factor	1.00	1.50	1.75	1.80
- I. TEMPERATURE CHARACTERISTIC
(Max.Impedance ratio) :

Z(-25°C) / Z(20°C)	6
Z(-40°C) / Z(20°C)	15

(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 ≤ ± 20% of the initial value
Tan δ ≤ 200 % of the initial specified value
Leakage Current ≤ 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 ≤ ± 20% of the initial value
Tan δ ≤ 200 % of the initial specified value
Leakage Current ≤ The initial specified value
- K. CLEANING CONDITIONS : Non-solvent-proof
- L. OTHERS : Satisfied characteristics KS C IEC 60384-4



SamYoung Electronics Co., Ltd.