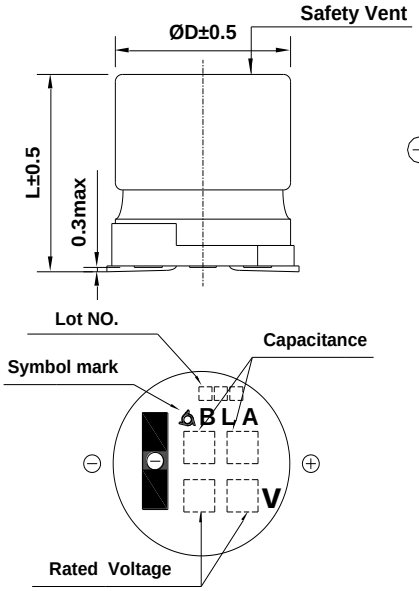
ALUMINUM ELECTROLYTIC CAPACITORS

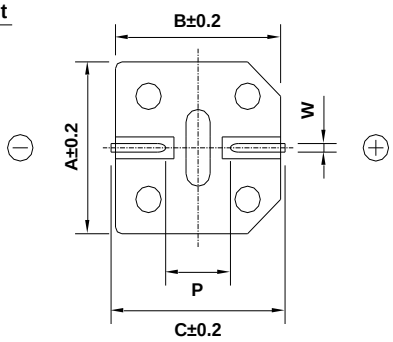
APPROVAL NO.

BLA 450 VC 10 (M)

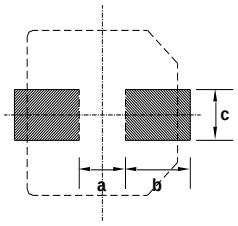
SERIES	BLA
RATING	450 V 10 ㎌
CASE SIZE	Ø12.5 × 13.5L

A. DIAGRAM OF DIMENSION





Recommended Solder land on PC board



: Solder land on PC board

Case code	ØD	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℃

B. RATED VOLTAGE : 450 V_{DC}

C. SURGE VOLTAGE : 500 V_{DC}

D. CAPACITANCE TOLERANCE : ± 20% at 20℃, 120㎐

E. LEAKAGE CURRENT : Lower 280.0 ㎂ , after 1 minute at 20℃

F. DISSIPATION FACTOR (TANδ) : Lower 0.20 at 20℃ , 120㎐

G. RATED RIPPLE CURRENT : 120 mArms at 105℃ , 120㎐

H. RATED RIPPLE CURRENT MULTIPLIERS (Frequency Multipliers) :

Freq.(㎐)	120	1k	10k	100k
Factor	1.00	1.05	1.08	1.08

I. TEMPERATURE CHARACTERISTIC (Max.Impedance ratio) :

Z(-25℃) / Z(+20℃)	6
Z(-40℃) / Z(+20℃)	12

(at 120㎐)

J. LOAD LIFE : The following specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage is applied for 5,000 hours at 105℃.

Capacitance change ≤ ± 30% of the initial value

Tanδ ≤ 300 % of the initial specified value

Leakage Current ≤ The initial specified value

K. SHELF LIFE : The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1,000 hours at 105 ℃ 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 ≤ ± 30% of the initial value

Tanδ ≤ 300 % of the initial specified value

Leakage Current ≤ The initial specified value

L. CLEANING CONDITIONS : Non-solvent-proof → Refer to Cleaning conditions (Page 6)

M. OTHERS : Satisfied charateristics KS C IEC 60384-4