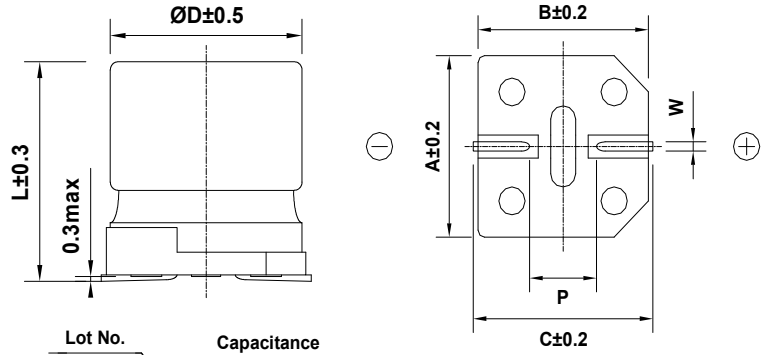
ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO. 6400

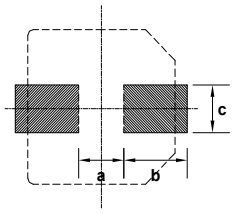
BDA 16 VC 47 (M)

SERIES	BDA
RATING	16 V 47 ㎌
CASE SIZE	Ø5 × 5.3L

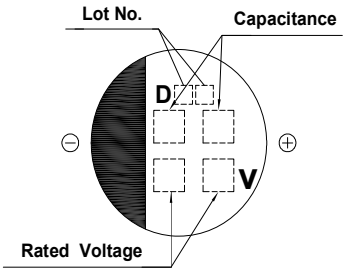
A. DIAGRAM OF DIMENSION



Recommended Solder land on PC board



: Solder land on PC board



Case code	ØD	L	A	B	C	W	P	a	b	c
E56	5	5.3	5.3	5.3	5.9	0.5-0.8	1.4	1.4	3.0	1.6

B. ELECTRICAL CHARACTERISTICS

A. OPERATING TEMPERATURE RANGE : -40 ~ +105 ℃

B. RATED VOLTAGE : 16 V_{DC}

C. SURGE VOLTAGE : 20 V_{DC}

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

E. LEAKAGE CURRENT : Lower 7.52 ㎂, after 2 minutes at 20℃

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

G. MAX. RIPPLE CURRENT : 40 mArms at 105 ℃, 120㎐

H. TEMPERATURE CHARACTERISTIC :

(Max. Impedance ratio) Z(-25℃) / Z(20℃) = 2

Z(-40℃) / Z(20℃) = 4 (at 120㎐)

I. LOAD LIFE : The following specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage is applied for 2,000 hours at 105℃.

Capacitance change ≤ ±30 % of the initial value

Tanδ ≤ 300 % 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℃ 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

K. CLEANING CONDITIONS : Solvent-proof

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