

ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

BLA 50 VC 1 (M)

SERIES

BLA

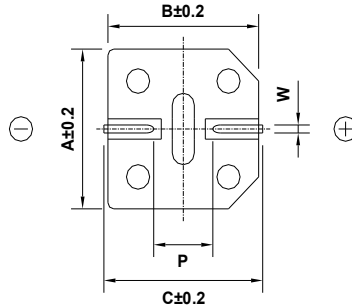
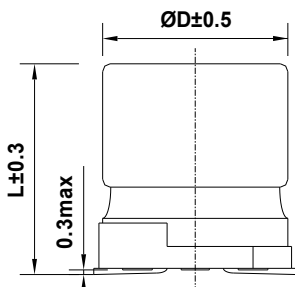
RATING

50 V 1 μ F

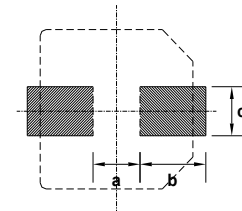
CASE SIZE

$\varnothing 4 \times 5.2 L$

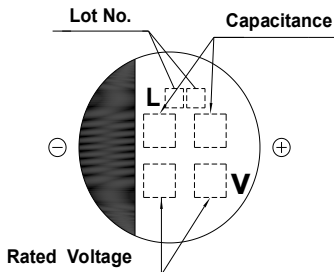
A. DIAGRAM OF DIMENSION



Recommended Solder land on PC board



█ : Solder land on PC board



Case code	ØD	L	A	B	C	W	P	a	b	c
D55	4	5.2	4.3	4.3	5.1	0.5-0.8	1.0	1.0	2.6	1.6

B. ELECTRICAL CHARACTERISTICS

- A. OPERATING TEMPERATURE RANGE : -40 ~ +125°C
- B. RATED VOLTAGE : 50 V_{DC}
- C. SURGE VOLTAGE : 63 V_{DC}
- D. CAPACITANCE TOLERANCE : ± 20% at 20°C, 120Hz
- E. LEAKAGE CURRENT : Lower 3 μ A, after 2 minutes at 20°C
- F. DISSIPATION FACTOR (TAN δ) : Lower 0.12 at 20°C, 120Hz
- G. MAX. RIPPLE CURRENT : 5.6 mArms at 125°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 applied for 5,000 hours at 105°C.
 - # Capacitance change $\leq \underline{\pm 30\%}$ of the initial value
 - # Tan $\delta \leq \underline{300\%}$ 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 measurements.
 - # Capacitance change $\leq \underline{\pm 30\%}$ of the initial value
 - # Tan $\delta \leq \underline{300\%}$ 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

