

ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

BLA 50 VC 2.2 (M)

SERIES

BLA

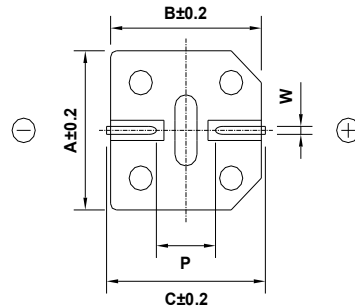
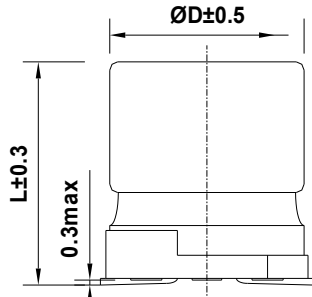
RATING

50 WV 2.2 μ F

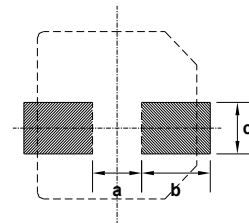
CASE SIZE

$\varnothing 4 \times 5.2L$

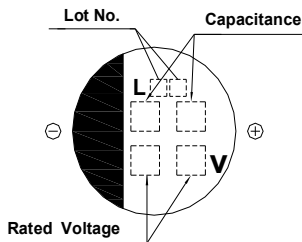
A. DIAGRAM OF DIMENSION



Recommended Solder land on PC board



: Solder land on PC board



Case code	$\varnothing D$	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 ~ +105°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** : 10 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 applied for 5,000 hours at 105°C.
- # Capacitance change \leq ± 30% of the initial value
 - # Tan δ \leq 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 measurement.
- # Capacitance change \leq ± 30% of the initial value
 - # Tan δ \leq 300% of the initial specified value
 - # Leakage Current \leq The initial specified value
- K. CLEANING CONDITIONS** : Solvent-proof \rightarrow Refer to Cleaning conditions (Page 6)
- L. OTHERS** : Satisfied characteristics W of KS C 6421

