

ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

BLA 25 VC 100 (M)

SERIES

BLA

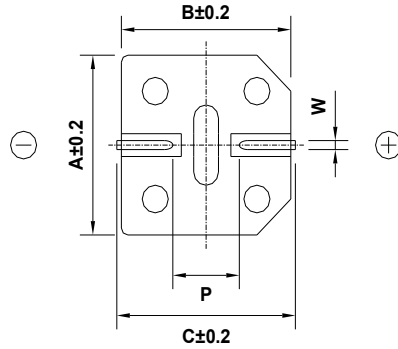
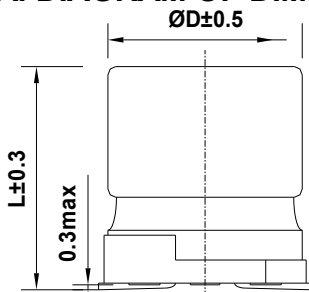
RATING

25 WV 100 μ F

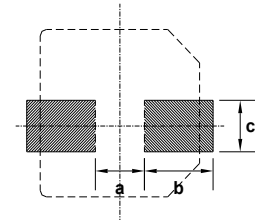
CASE SIZE

\varnothing 6.3 \times 7.7L

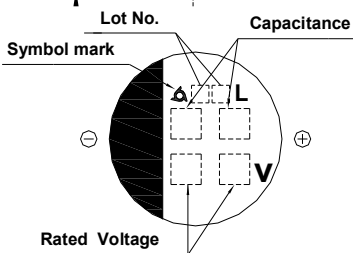
A. DIAGRAM OF DIMENSION



Recommended Solder land on PC board



█ : Solder land on PC board



Case code	\varnothing D	L	A	B	C	W	P	a	b	c
F80	6.3	7.7	6.6	6.6	7.2	0.5-0.8	1.9	1.9	3.5	1.6

B. ELECTRICAL CHARACTERISTICS

- A. OPERATING TEMPERATURE RANGE : **-40 ~ +105 $^{\circ}$ C**
- B. RATED VOLTAGE : **25 V_{DC}**
- C. SURGE VOLTAGE : **32 V_{DC}**
- D. CAPACITANCE TOLERANCE : **\pm 20%** at 20 $^{\circ}$ C, 120Hz
- E. LEAKAGE CURRENT : Lower **25 μ A**, after 2 minutes at 20 $^{\circ}$ C
- F. DISSIPATION FACTOR (TAN δ) : Lower **0.16** at 20 $^{\circ}$ C, 120Hz
- G. MAX. RIPPLE CURRENT : **230 mArms** at 105 $^{\circ}$ C, 100kHz
- 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 $^{\circ}$ C after the rated voltage applied for **5000** hours at **105 $^{\circ}$ C**.

- # Capacitance change $\leq \pm$ 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 $^{\circ}$ C after exposing them for **1000** hours at **105 $^{\circ}$ 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 $\leq \pm$ 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

※ IMP.(20 $^{\circ}$ C, 100kHz) : **1.0 (Ω)** ↓

