

ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

6777

BLA 50 VC 33 (M)

SERIES

BLA

RATING

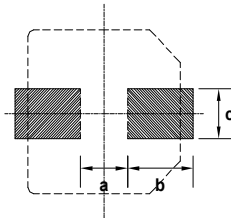
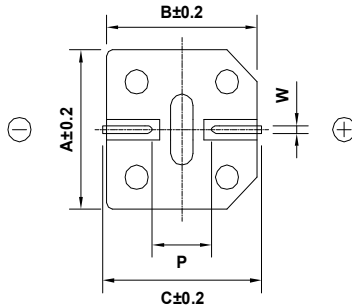
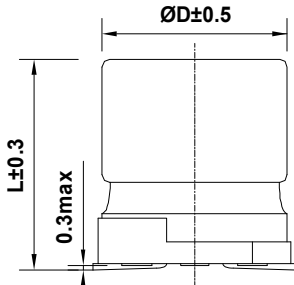
50 V 33 μ F

CASE SIZE

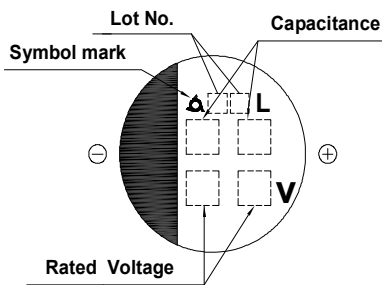
\varnothing 6.3 x 7.7L

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
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°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 **16.5 μ A**, after 2 minutes at 20°C
- F. DISSIPATION FACTOR (TAN δ) : Lower **0.12** at 20°C, 120Hz
- G. MAX. RIPPLE CURRENT : **60 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

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

