

ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

BXJ 35 VC 47 (M)

SERIES

BXJ

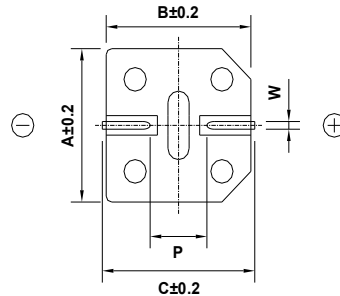
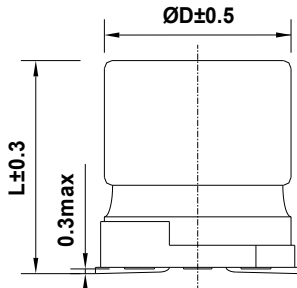
RATING

35 V 47 μ F

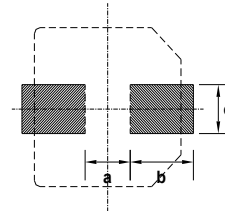
CASE SIZE

\varnothing 6.3 × 5.7 L

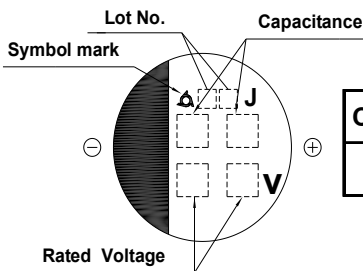
A. DIAGRAM OF DIMENSIONS



Recommended Solder land on PC board



█ : Solder land on PC board



Case code	\varnothing D	L	A	B	C	W	P	a	b	c
F60	6.3	5.7	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 : -55 ~ +105 °C
- B. RATED VOLTAGE : 35 V_{DC}
- C. SURGE VOLTAGE : 44 V_{DC}
- D. CAPACITANCE TOLERANCE : ±20% at 20 °C, 120Hz
- E. LEAKAGE CURRENT : Lower 16.45 μ A, after 2 minutes at 20 °C
- F. DISSIPATION FACTOR (TAN δ) : Lower 0.12 at 20 °C, 120Hz
- G. MAX. RIPPLE CURRENT : 240 mArms at 105 °C, 100 kHz
- H. TEMPERATURE CHARACTERISTIC :

* Max.Impedance ratio $Z(-25^{\circ}\text{C}) / Z(20^{\circ}\text{C}) = \underline{2}$
 $Z(-55^{\circ}\text{C}) / Z(20^{\circ}\text{C}) = \underline{3}$ (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 2,000 hours at 105 °C.

- # Capacitance change $\leq \underline{\pm 30\%}$ of the initial value
- # Tan δ $\leq \underline{300\%}$ 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 δ $\leq \underline{300\%}$ of the initial specified value
- # Leakage Current \leq The initial specified value

K. CLEANING CONDITIONS : Solvent proof → Refer to Cleaning conditions (Page 6)

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

※ IMP.(20 °C, 100kHz) : **0.36 (Ω)** ↓

