

ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

BXJ 25 VC 33 (M)

SERIES

BXJ

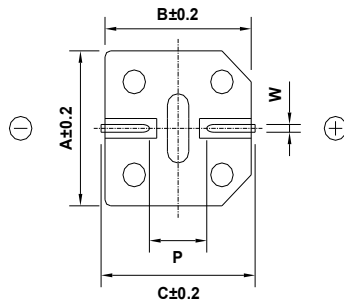
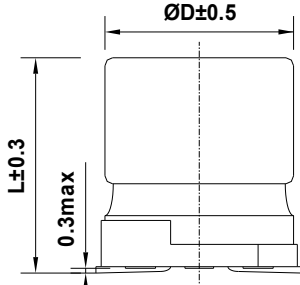
RATING

25 V 33 μ F

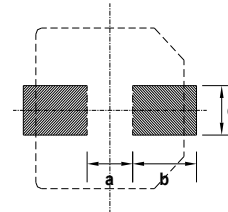
CASE SIZE

\varnothing 6.3 x 5.7 L

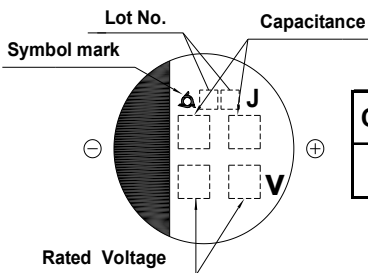
A. DIAGRAM OF DIMENSIONS



Recommended Solder land on PC board



█ : Solder land on PC board



Case code	ØD	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 : 25 V_{DC}
- C. SURGE VOLTAGE : 32 V_{DC}
- D. CAPACITANCE TOLERANCE : ±20% at 20°C, 120Hz
- E. LEAKAGE CURRENT : Lower 8.25 μ A, after 2 minutes at 20°C
- F. DISSIPATION FACTOR (TAN δ) : Lower 0.14 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 ±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 measurements.

- # 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 → Refer to Cleaning conditions (Page 6)

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

※ IMP.(20°C, 100kHz) : **0.36 (Ω)** ↓

