

ALUMINUM ELECTROLYTIC CAPACITORS		APPROVAL NO. 6509
BXJ 25 VC 47 (M)		SERIES BXJ
		RATING 25 V 47 μF
		CASE SIZE \varnothing 6.3 x 5.2 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
F55	6.3	5.2	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 **11.75 μ A**, after 2 minutes at 20 °C
- F. DISSIPATION FACTOR (TAN δ) : Lower **0.14** at 20 °C, 120Hz
- G. MAX. RIPPLE CURRENT : **220 mArms** at 105 °C, 100kHz
- H. TEMPERATURE CHARACTERISTIC :
 (Max. Impedance ratio) $Z(-25\text{ }^{\circ}\text{C}) / Z(20\text{ }^{\circ}\text{C}) = \underline{2}$
 $Z(-55\text{ }^{\circ}\text{C}) / Z(20\text{ }^{\circ}\text{C}) = \underline{3}$ (at 120Hz)
- I. LOAD LIFE : The following specifications shall be satisfied when the capacitors are restored to 20 °C after the rated voltage is 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 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

※ IMP.(20 °C,100kHz) : **0.55 (Ω)** ↓

