

<b>ALUMINUM ELECTROLYTIC CAPACITORS</b>		APPROVAL NO. <b>6504</b>
<b>BXJ 50 VC 33 (M)</b>		SERIES <b>BXJ</b>
		RATING <b>50 V 33 <math>\mu</math>F</b>
		CASE SIZE <b><math>\varnothing</math> 6.3 <math>\times</math> 7.7 L</b>

**A. DIAGRAM OF DIMENSIONS**

Recommended Solder land on PC board

█ : Solder land on PC board

Lot No.      Capacitance

Symbol mark

Rated Voltage

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 : **-55 ~ +105 °C**
- B. RATED VOLTAGE : **50 V<sub>DC</sub>**
- C. SURGE VOLTAGE : **63 V<sub>DC</sub>**
- D. CAPACITANCE TOLERANCE : **± 20%** at 20 °C, 120Hz
- E. LEAKAGE CURRENT : Lower **16.5  $\mu$ A**, after 2 minutes at 20 °C
- F. DISSIPATION FACTOR (TAN $\delta$ ) : Lower **0.12** at 20 °C, 120Hz
- G. MAX. RIPPLE CURRENT : **150 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 $\delta$                                $\leq$  **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 $\delta$                                $\leq$  **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) : **0.90 ( $\Omega$ )** ↓

