

<b>ALUMINUM ELECTROLYTIC CAPACITORS</b>	<b>APPROVAL NO.</b> <b>6486</b>
<b>BXJ 25 VC 100 (M)</b>	<b>SERIES</b> BXJ
	<b>RATING</b> 25 V 100 $\mu$ F
	<b>CASE SIZE</b> $\varnothing$ 6.3 x 7.7 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
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 : 25 V<sub>DC</sub>
- C. SURGE VOLTAGE : 32 V<sub>DC</sub>
- D. CAPACITANCE TOLERANCE : ± 20% at 20 °C, 120Hz
- E. LEAKAGE CURRENT : Lower 25  $\mu$ A, after 2 minutes at 20 °C
- F. DISSIPATION FACTOR (TAN $\delta$ ) : Lower 0.14 at 20 °C, 120Hz
- G. MAX. RIPPLE CURRENT : 280 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) : **0.34 ( $\Omega$ )** ↓

