

ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

6507

BXJ 16 VC 47 (M)

SERIES

BXJ

RATING

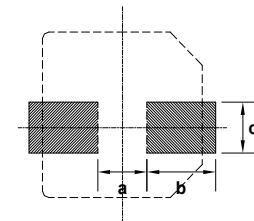
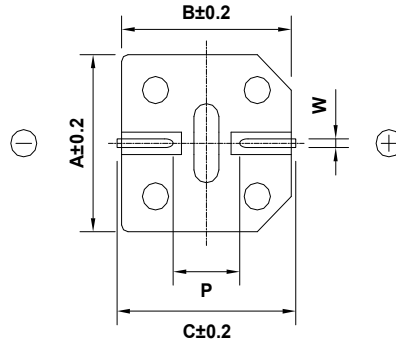
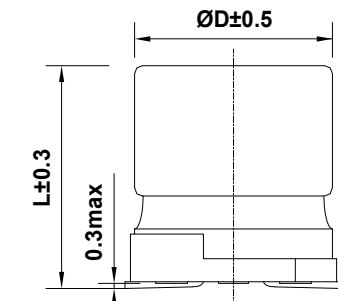
16 V 47 μ F

CASE SIZE

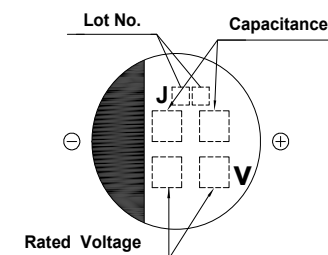
 $\varnothing 5 \times 5.3$ L

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
E56	5	5.3	5.3	5.3	5.9	0.5-0.8	1.4	1.4	3.0	1.6

B. ELECTRICAL CHARACTERISTICS

- A. OPERATING TEMPERATURE RANGE : -55 ~ +105 °C
- B. RATED VOLTAGE : 16 V_{DC}
- C. SURGE VOLTAGE : 20 V_{DC}
- D. CAPACITANCE TOLERANCE : ± 20% at 20 °C, 120Hz
- E. LEAKAGE CURRENT : Lower 7.52 μ A, after 2 minutes at 20 °C
- F. DISSIPATION FACTOR (TAN δ) : Lower 0.16 at 20 °C, 120Hz
- G. MAX. RIPPLE CURRENT : 130 mArms at 105 °C, 100kHz
- H. TEMPERATURE CHARACTERISTIC :
 (Max. Impedance ratio) $Z(-25^{\circ}\text{C}) / Z(20^{\circ}\text{C}) = \underline{2}$
 $Z(-55^{\circ}\text{C}) / Z(20^{\circ}\text{C}) = \underline{4}$ (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) : 1.0 (Ω) ↓

SamYoung Electronics Co., Ltd.