

ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

6508

BXJ 16 VC 47 (M)

SERIES

BXJ

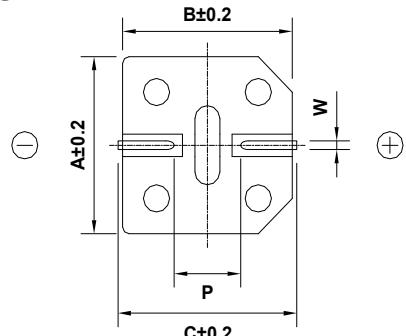
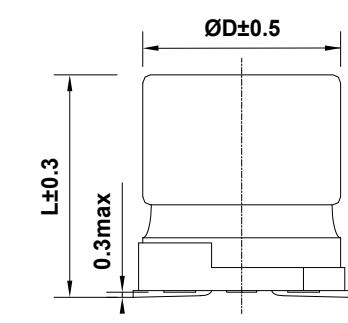
RATING

16 V 47 μ F

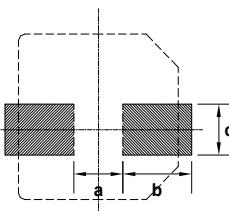
CASE SIZE

 \varnothing 6.3 x 5.2 L

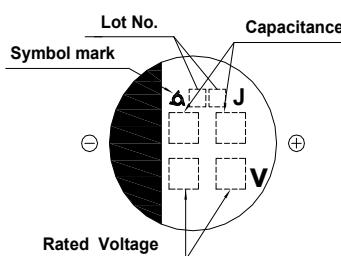
A. DIAGRAM OF DIMENSIONS



Recommended Solder land on PC board



■ : Solder land on PC board



Case code	\varnothing D	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 : 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 (TANδ) : Lower 0.16 at 20°C, 120Hz
 G. MAX. RIPPLE CURRENT : 220 mArms at 105 °C, 100kHz
 H. TEMPERATURE CHARACTERISTIC :
 (Max. Impedance ratio) Z(-25°C) / Z(20°C) = 2
 Z(-55°C) / Z(20°C) = 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 ≤ ±30 % of the initial value
 # Tanδ ≤ 300 % of the initial specified value
 # Leakage Current ≤ 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.

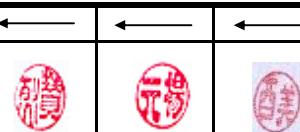
The rated voltage shall be applied to the capacitors for a minimum of 30 minutes, at least 24 hours and not more than 48 hours before the measurement.

- # Capacitance change ≤ ±30 % of the initial value
 # Tanδ ≤ 300 % of the initial specified value
 # Leakage Current ≤ 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) ↓



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