

ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

6500

BXJ 50 VC 2.2 (M)

SERIES

BXJ

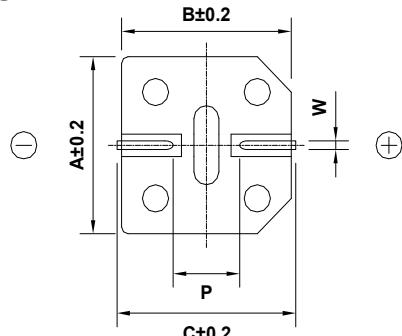
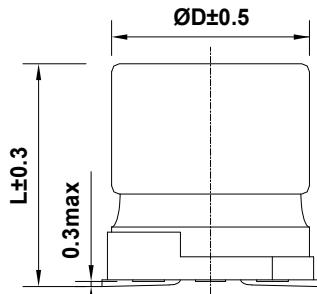
RATING

50 V 2.2 μ F

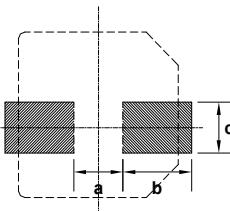
CASE SIZE

 \varnothing 4 x 5.3 L

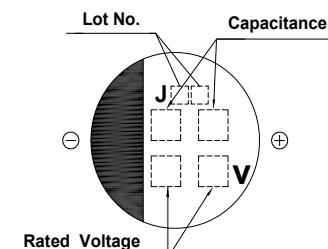
A. DIAGRAM OF DIMENSIONS



Recommended Solder land on PC board



■ : Solder land on PC board



Case code	\varnothing D	L	A	B	C	W	P	a	b	c
D56	4	5.3	4.3	4.3	5.1	0.5-0.8	1.0	1.0	2.6	1.6

B. ELECTRICAL CHARACTERISTICS

- A. OPERATING TEMPERATURE RANGE : -55 ~ +105 °C
 B. RATED VOLTAGE : 50 V_{DC}
 C. SURGE VOLTAGE : 63 V_{DC}
 D. CAPACITANCE TOLERANCE : ± 20% at 20°C, 120Hz
 E. LEAKAGE CURRENT : Lower 3 μ A, after 2 minutes at 20°C
 F. DISSIPATION FACTOR (TANδ) : Lower 0.12 at 20°C, 120Hz
 G. MAX. RIPPLE CURRENT : 17 mAmps at 105 °C, 100kHz
 H. TEMPERATURE CHARACTERISTIC :
 (Max. Impedance ratio) Z(-25°C) / Z(20°C) = 2
 Z(-55°C) / Z(20°C) = 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 ≤ ±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) : 4.8 (Ω) ↓



SamYoung Electronics Co., Ltd.