

ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

6485

BXJ 16 VC 100 (M)

SERIES

BXJ

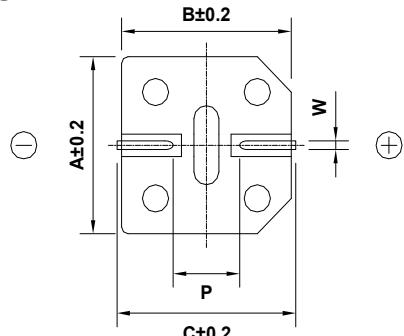
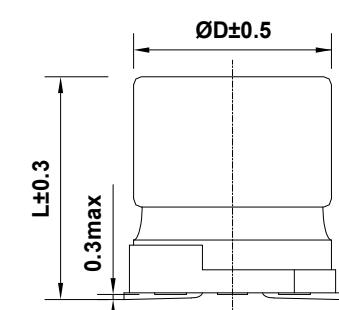
RATING

16 V 100 μ F

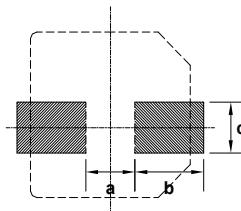
CASE SIZE

 \varnothing 6.3 x 5.7 L

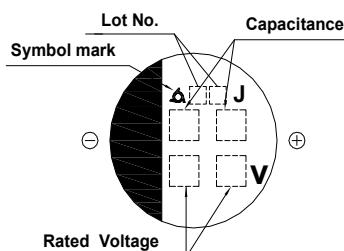
A. DIAGRAM OF DIMENSIONS



Recommended Solder land on PC board



■ : Solder land on PC board



Case code	\varnothing D	L	A	B	C	W	P	a	b	c
F60	6.3	5.7	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	: 16 V _{DC}
C. SURGE VOLTAGE	: 20 V _{DC}
D. CAPACITANCE TOLERANCE	: $\pm 20\%$ at 20°C, 120Hz
E. LEAKAGE CURRENT	: Lower 16 μ A, after 2 minutes at 20°C
F. DISSIPATION FACTOR (TAN δ)	: Lower 0.16 at 20°C, 120Hz
G. MAX. RIPPLE CURRENT	: 240 mA rms 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	$\leq \pm 30\%$ 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.

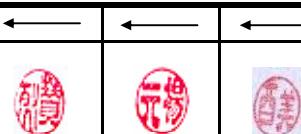
The rated voltage shall be applied to the capacitors for a minimum of 30 minutes, at least 24 hours and not more than 48 hours before the measurement.

# Capacitance change	$\leq \pm 30\%$ 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) : 0.36 (Ω) ↓



SamYoung Electronics Co., Ltd.