

ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

BXA 16 VC 100 (M)

SERIES

BXA

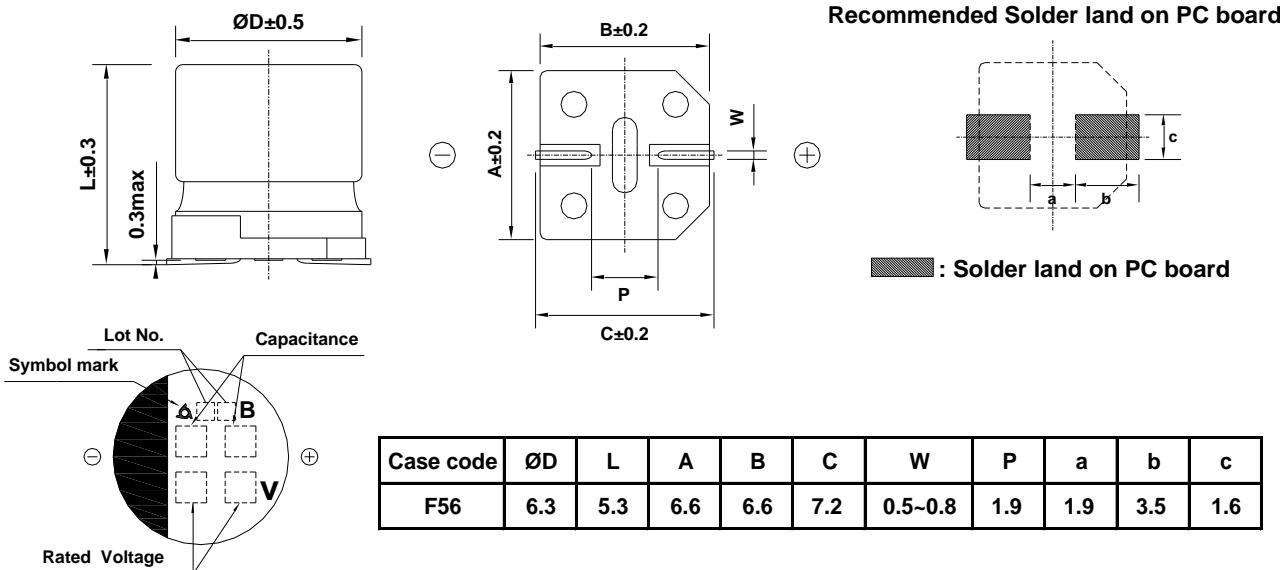
RATING

16 V 100 μ F

CASE SIZE

\varnothing 6.3 x 5.3L

A. DIAGRAM OF DIMENSIONS



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 16 μ A, after 2 minutes at 20 °C										
F. DISSIPATION FACTOR (TANδ)	: Lower 0.16 at 20 °C, 120Hz										
G. RATED RIPPLE CURRENT	: 200 mArms at 105 °C, 100kHz										
H. RATED RIPPLE CURRENT MULTIPLIERS (Frequency Multipliers)	: <table border="1"><tr><td>Freq.(Hz)</td><td>120</td><td>1k</td><td>10k</td><td>100k</td></tr><tr><td>Factor</td><td>0.40</td><td>0.75</td><td>0.90</td><td>1.00</td></tr></table>	Freq.(Hz)	120	1k	10k	100k	Factor	0.40	0.75	0.90	1.00
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Factor	0.40	0.75	0.90	1.00							
I. RATED RIPPLE CURRENT MULTIPLIERS (Max. Impedance ratio)	: <table border="1"><tr><td>Z(-25 °C) / Z(20 °C)</td><td>2</td></tr><tr><td>Z(-40 °C) / Z(20 °C)</td><td>4</td></tr></table> (at 120Hz)	Z(-25 °C) / Z(20 °C)	2	Z(-40 °C) / Z(20 °C)	4						
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J. LOAD LIFE : The following specifications shall be satisfied when the capacitors are restored to 20 °C

after the rated voltage is applied for 1,000 hours at 105 °C.

Capacitance change ≤ ±25% of the initial value

Tanδ ≤ 200 % of the initial specified value

Leakage Current ≤ The initial specified value

K. 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 ≤ ±25% of the initial value

Tanδ ≤ 200 % of the initial specified value

Leakage Current ≤ The initial specified value

L. CLEANING CONDITIONS : Solvent-proof

M. OTHERS : Satisfied characteristics KS C IEC 60384-4

※ IMP(20 °C, 100kHz) : 0.60 (Ω) ↓



Sam Young Electronics Co., Ltd.