

## ALUMINUM ELECTROLYTIC CAPACITORS

APPROVAL NO.

12566

BXA 35 VC 22 (M)

SERIES

BXA

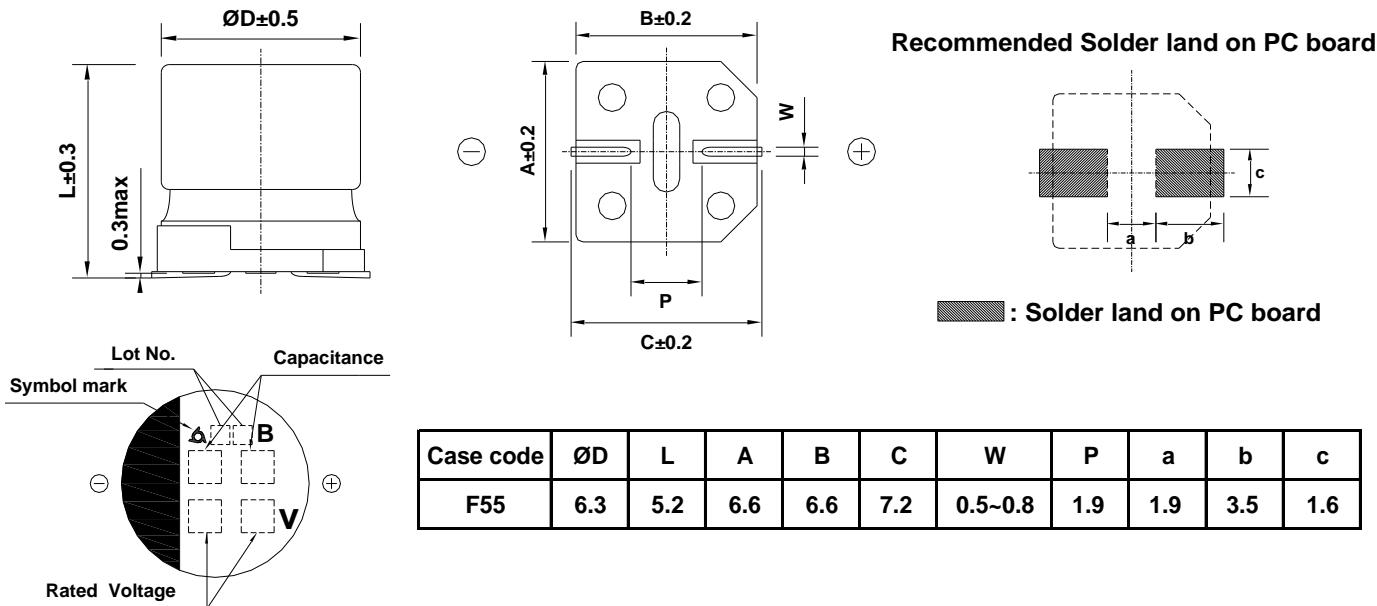
RATING

35 V 22  $\mu$ F

CASE SIZE

 $\varnothing$ 6.3 x 5.2L

## A. DIAGRAM OF DIMENSIONS



## B. ELECTRICAL CHARACTERISTICS

A. OPERATING TEMPERATURE RANGE	: -55 ~ +105°C										
B. RATED VOLTAGE	: 35 V <sub>DC</sub>										
C. SURGE VOLTAGE	: 44 V <sub>DC</sub>										
D. CAPACITANCE TOLERANCE	: ± 20% at 20°C, 120Hz										
E. LEAKAGE CURRENT	: Lower 7.7 $\mu$ A, after 2 minutes at 20°C										
F. DISSIPATION FACTOR (TANδ)	: Lower 0.12 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(-55°C) / Z(20°C)</td><td>3</td></tr></table> (at 120Hz)	Z(-25°C) / Z(20°C)	2	Z(-55°C) / Z(20°C)	3						
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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 ( $\Omega$ ) ↓

SamYoung Electronics Co., Ltd.