

## 苏州优优电容器制造有限公司

## 承認書

APPROVED SHEET

編號 H120240927001  
NUMBER PF2V901A35X045CAE

客戶  
CUSTOMERS

品名 闪光灯用主电容器 350V900uF 35X45  
DESCRIPTION PHOTOFLASH APPLICATIONS WITH LUG TERMINAL

系列  
SERIES PF (55°C) A(±15%)

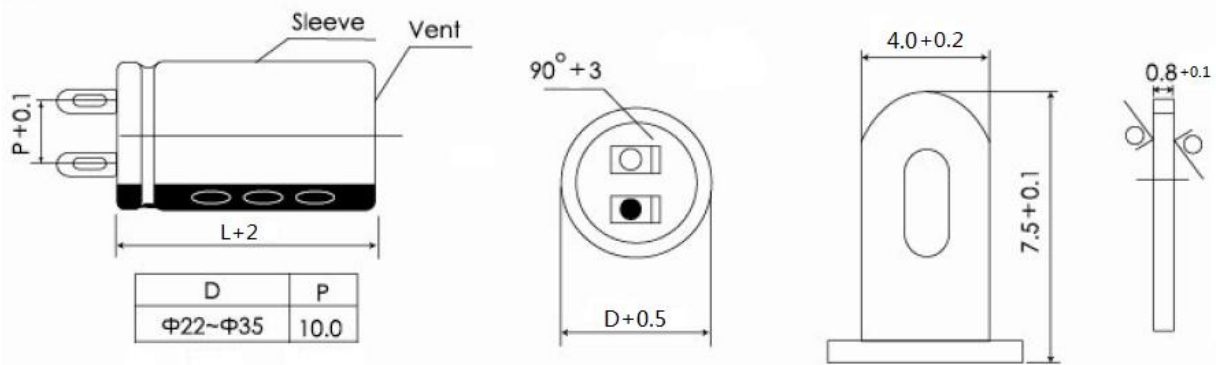
日期  
DATE 2024年9月27日

發行單位  
ISSUE DEPARTMENT

承認欄  
APPROVED COLUMN

簽認後，敬請惠返一份。

地址：江苏省苏州市南园北路 118 号天和大厦 3B301 室  
TEL: 0086-0512-66052101 FAX: 0086-0512-66052102



<Example> Sleeve :Black    Color : White    Connection diagram

**CAUTION :**

These UUCAP Photo Flash Capacitors are designed,manufactured and intended solely for use in photo flash and other photographic equipment. They are not intended for use in medical equipment.

SUZHOU UUCAP ELECTRONIC CO.,LTD expressly disclaim any warranties or representations as to the suitability or fitness of these capacitors for use in medical equipment.

**ELECTRICAL CHARACTERISTICS**

WORKING VOL TAGE (V.D.C)	SURGE VOL TAGE (V.D.C)	RATED CAP( μ F)	CAP.TOL ( %)	tan δ (MAX)	LEAKAGE CURRENT ( μ A MAX)	CHARQR AND DISCHARGE (times)
350	400	900	±15	0.15	I=1*C	300000
		At 120HZ 25°C			400V After 5 min	At 120HZ 25°C ±5°C

TEST STANDARD

JIS C 5141

OPERATING TEMP. RANGE

-20°C-55°C

UUCap Type NO.

**PF2V901A35X045CAE**

RATE

**350 V 900 μ F**

3RD ANGLE  
PROJECTION

SCALE  
/mm

DATE

CASE SIZE

MARK

DATE

DESCRIPTIONS

APPE

2024-09-27

**Φ 35X45L**

REVISION:

SPECIFICATION

**PF2V901A35X045CAE**

DWG.NO.

H120240927001

Sheet

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## SPECIFICATION ALUMINUM ELECTROLYTIC CAPACITOR

### 1. SCOPE

This specification covers polarized aluminum foil drytype electrolytic capacitors (JIS-04 TYPE)

### 2. APPLICABLE SPECIFICATION

Japanese industrial Standard JIS C-5141 Characteristics W and JIS C-5102 except as specified in this specification.

### 3. PERFORMANCE

Unless otherwise specified, the standard range of atmospheric conditions

For making measurements and tests is as follows:

Ambient temperature: 5 to 35°C

Relative humidity : 45 to 85%

Air pressure : 86kpa to 106kpa

NO	Item	Test method	Performance
3.1	OPERATING TEMPERATURE RANGE		-20°C~55°C
3.2	RATED VOLTAGE		350V
3.3	CAPACITANCE	At 120Hz±20 %	900uf±15%
3.4	tan δ	At 120Hz±20 % To comply with JIS c-5102 7.9	0.15 MAX
3.5	LEAKAGE CURRENT	To comply with JIS c-5102 7.7 After 1 minute's application Of rated voltage (at 20°C)	900 μ A MAX
3.6	SURGE VOLTAGE	To comply with JIS c-5102 7.14 The surge voltage specified in the individual standard shall be applied 1000 times, each for 30 ±5s, period of 6±0.5min. Electric discharge : Not to carry out Test temperature : 15~35°C	Capacitance : Not more than 80 % of the value Before test. tan δ : Not more than 200 % of the specified value. Leakage current: Initial specified value or less
3.7	IMPEDANCE RATIO AT LOW TEMPERATURE	To comply with JIS c-5102 7.11 -20± 2h Measurement frequency : 120Hz±20 %	z  <sub>-20°C</sub> /  z  <sub>20°C</sub> ≤ 8
3.8	TERMINAL STRENGTH	To comply with JIS C-5102 8.1 Tensile strength of termination : Tensile force holding time Tensile force : 10N Bending strength of termination : Count it as 2 times. Dead weight : 5N	No abnormality such as cutting off. Looseness or the like of termination.
3.9	SOLDERABILITY	To comply with JIS C-0050 Temperature of solder : 230±5°C Dipping time : 2±0.5s Storage time : after 6 month	At least 3/4 of circumferential surface of the dipped portion of termination shall be covered with new solder

NO	Item	Test method	Performance
3.10	RESISTANCE OF SOLDERING	To comply with JIS C-0050 Temp :350±10℃ time :10±1 s Or Temp :260±5℃ time : 3±1 s	Capacitance change :within±10 % of initial value tan δ :initial specified value or less leakage current :Initial specified value or less Appearance :No remarkable abnormality
3.11	RESISTANCE TO DAMP HEAT(STEADY STATE)	To comply with JIS C-5102 9.5 Test temperature : 40±2℃ Relative humidity :90~95 % Test time :240±8h	Capacitance change :within±15 % of initial value tan δ :Initial specified value or less. Leakage current :Initial specified value or less. Appearance :No remarkable abnormality
3.12	LIFE TEST	To comply with JIS C-5102 9.10 Test temperature : 55±2℃ Test frequency :300000times D.C bias with rated ripple current so that its peak voltage shall not exceed the rated D.C.voltage.	Capacitance change : Within ±10 % of initial value tan δ :150 % or less of initial specified value. Leakage current : initial specified value or less.(Voltage treatment according to JIS C-5102 4.3) Appearance :No remarkable abnormality.
3.13	SHELF LIFE TEST	Test temperature :70±2℃ Test time :500±5h	Capacitance change :within±10 % of initial value tan δ : 150 % or less of initial specified value. Leakage current : initial specified value or less. (Voleage treatment according to JIS C-5102 4.3) appearance : No remarkabic abnormality
3.14	RESISTANCE TO VIBATION	To comply with JIS C-5102 8.2 Direction and duration of vibration :3 orthogonal directions mutually directions mutually each for 2h Total 6 h Frequency : 10 to 55 Hz Reciprocation for 1 min. Total amplitude :1.5mm	Capacitance : When the capacitance is measured , there shall be no intermittent contacts,or open or short-circuiting , and no abnormality Appearance : No remarkable abnormality.

NO	Item	Test method	Performance
3.15	SAFETY VENT	<p>A.C Application Test</p> <p>The capacitor shall be subjected to an A.C voltage (50 to 60Hz) with r.m.s value equal to 0.7 times the rated D.C voltage through a series resistor.</p> <p>The series resistor as follows.</p> <p style="text-align: center;"><math>R=1 \Omega</math></p> <p>D.C Application Test</p> <p>The capacitor shall be subjected to a reverse D.C voltage equal to the rated D.C voltage .the current flowing through the capacitor shall be limited to 1A.</p>	
NOTE : The test is terminated if the vent device is not when 30 min .has elapsed from the start of the test conducted under the condition .			

**4. MARKING**

Capacitors shall be legibly marked with following.

- 4-1 Manufacture' s trade mark.
- 4-2 Rated voltage
- 4-3 Nominal capacitance.
- 4-4 EIA DATE CODE.
- 4-5 Negative polarity.
- 4-6 Capacitance Tolerance.
- 4-7 Maximum operating temperture identification.
- 4-8 Series identification.