

CUSTOMER : ROPLA

NO : DE17040013

客 戶

編號

# APPROVAL SHEET

## 承 認 書

P A R T S                      ALUMINUM ELECTROLYTIC CAPACITOR

品 名 :                      鋁 質 電 解 電 容 器

USER P/N

客戶產品編號 : \_\_\_\_\_

JAMICON P/N

凱美產品編號 :                      STR6R8M1EC05M

SIGNATURE (承認欄)

KAIMEI ELECTRONIC CORP. (FONG TIEN FACTORY)  
No.51, Fong Tien Rd., Fong Tien Industry Park,  
Yin-Lin Hsian 63147, Taiwan, R.O.C.  
TEL:886-5-5915366 FAX:886-5-5916628

SUZHOU KAIMEI ELECTRONIC LTD.  
No.68, Wen Du Rd., Wang Ting Town  
Wuxian Municipality, Jiangsu Province 215155, the PRC  
TEL:86-512-6-5389847 FAX:86-512-6-5382688

SHIN KAIMEI ELECTRONIC(SHEN ZHEN)CO.,LTD.  
1-2 FLOOR, BUILDING A, JAMICON FACTORY,  
NO.57, 2ND RD DONGHUAN, LONGHUASUB-DISTRICT,  
LONGHUA NEW DISTRICT, SHENZHEN  
TEL:86-755-28135359 FAX:86-755-28135384

FORMOSA PROSONIC ELECTRONIC SDN BHD.  
No.3, Lebu 2, Bandar Sultan Suleiman,  
Taiwanese Industrial Park, 42000 Port Klang,  
Selangor Darul Ehsan, Malaysia  
TEL:60-3-31762700 FAX:60-3-31762713

**JAMICON** 新凱美電機（深圳）有限公司

	CHECKER 確 認	DESIGNER 作 成
	姜輝	程明會

# ALUMINUM ELECTROLYTIC CAPACITOR SPECIFICATIONS

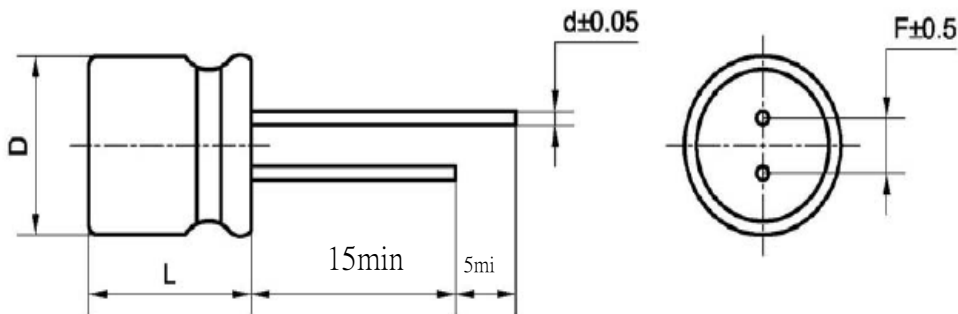
Parts number system	Reference standard	JIS C5101-4
STR6R8M1EC05M	Reted value	6.8 $\mu$ F 25 WV
DATE	2017/4/5	Dimensions
		$\phi$ 4 x L 5 (mm)

## 1. Electrical characteristic:

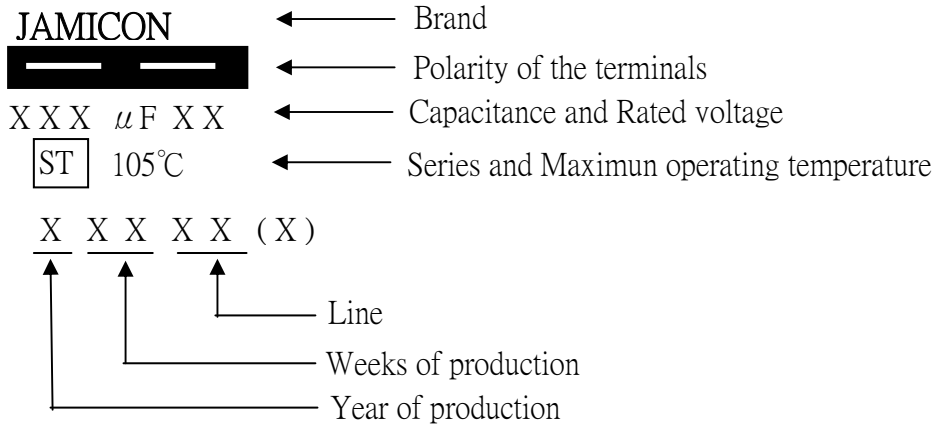
- (A) Operating temperature range : - 55 °C ~ + 105 °C
- (B) Capacitance tolerance : - 20 % ~ + 20 % 20°C 120Hz
- (C) Capacitance : 6.8  $\mu$ F
- (D) Rated working voltage (WV) : 25 V
- (E) Surge voltage (SV) : 32 V
- (F) Leakage current :  $\leq$  3.00  $\mu$ A 20°C 2 minutes
- (G) Dissipation Factor (tan  $\delta$ ) :  $\leq$  0.16 20°C 120 Hz
- (H) Ripple current :  $\leq$  17 mA 105°C 120 Hz

## 2. Dimensions and materials

D	$\Phi$ 4 $\pm$ 0.5	L	5 +1.0 (max)
d	0.45	F	1.5 $\pm$ 0.5



## 3. Marking



## 4. Load life test

The rated voltage shall be applied continuously to the capacitor at a temperature of +105°C ripple current for 1000 hours, after 16 hours in room temperature, should do final measurements, the values are as following:

(DC+ ripple peak voltage  $\leq$  rated working voltage)

- (A) Capacitance change :  $\leq \pm 25\%$  of initial value  
 (B) Dissipation factor :  $\leq 200\%$  of initial specified value  
 (C) Leakage current :  $\leq$  initial specified value

## 5. Shelf life test

The capacitor without rated voltage at a temperature of +105°C for 1000 hours and then through the aging treatment ( reference JIS C5101-4 4.1 ), should do final measurements, the values are as following :

- (A) Capacitance change :  $\leq \pm 25\%$  of initial value  
 (B) Dissipation factor :  $\leq 200\%$  of initial specified value  
 (C) Leakage current :  $\leq$  of initial specified value

## 6. Low temperature storage test

The capacitor without rated voltage at the lowest operation temperature 16 hours, after 16 hours in room temperature, should do final measurements, the values are as following :

- (A) Capacitance change :  $\leq \pm 10\%$  of initial value  
 (B) Dissipation factor :  $\leq$  initial specified value  
 (C) Leakage current :  $\leq$  initial specified value

## 7. Low temperature stability

Impedance ratio at 120Hz

- (A)  $Z_{-25\text{ }^{\circ}\text{C}} / Z_{+20\text{ }^{\circ}\text{C}}$  : 2 (Max)  
 (B)  $Z_{-40\text{ }^{\circ}\text{C}} / Z_{+20\text{ }^{\circ}\text{C}}$  : 3 (Max)

## 8. Lead strength

- (A) Tensile strength : 0.5 kg

The capacitor shall withstand the constant tensile force specified between the body and each lead for 10 seconds without either mechanically or electrically.

- (B) bending strength : 0.25 kg

With the capacitor in a vertical position apply the load specified axially to each lead. the capacitor shall be rotated slowly from the vertical to the horizontal position. back to the vertical position. the 90° in the opposite direction and back the original position. performance of capacitor shall not have changed and leads shall be undamaged.

## 9.Solderability

Capacitor lead wire dipping in flux, and then dip in  $245 \pm 3^{\circ}\text{C}$  in solder liquor for  $3 \pm 0.5$  seconds, the liquid solder 2mm, the dipping lead must be adherent 95% fresh tin at least.

## 10.Resistance to soldering heat

Put capacitor lead wire to dip  $260 \pm 5^{\circ}\text{C}$  in solder liquor away the body 2mm, after  $10 \pm 1$  seconds taken out, after two hours in room temperature, should do final measurements, the values are following:

- (A)Capacitance change : 10 % of initial value
- (B)Dissipation factor :  $\leq$  initial specified value
- (C)Leakage current :  $\leq$  initial specified value
- (D)Visual : NO damage

## 11.Surge test

The capacitor shall be applied the surge voltage connected with the  $1\text{k}\Omega$  resistor room temperature, and shall be applied the surge voltage 1000 cycle, each for 30 seconds charge and 5minutes 30 seconds discharge, the final test values should be as following:

- (A)Capacitance change :  $\leq \pm 15\%$  of initial value
- (B)Dissipation factor :  $\leq$  initial specified value
- (C)Leakage current :  $\leq$  initial specified value
- (D)Visual : NO damage