

# Su'scon



[www.su-scon.com](http://www.su-scon.com)

Kuan Kun Electronic Enterprise Co., Ltd.  
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冠坤電子 Su'scon

# Agenda

- 01** Who we are
- 02** Why choose us
- 03** What we do
- 04** Who we serve

# *Su'scon*

## Who we are

Innovation · Integrity · Efficiency



**Kuan Kun Electronic Enterprise Co., Ltd.**



Mr. Johnson Su, founder and CEO

Founded in Oct.1978

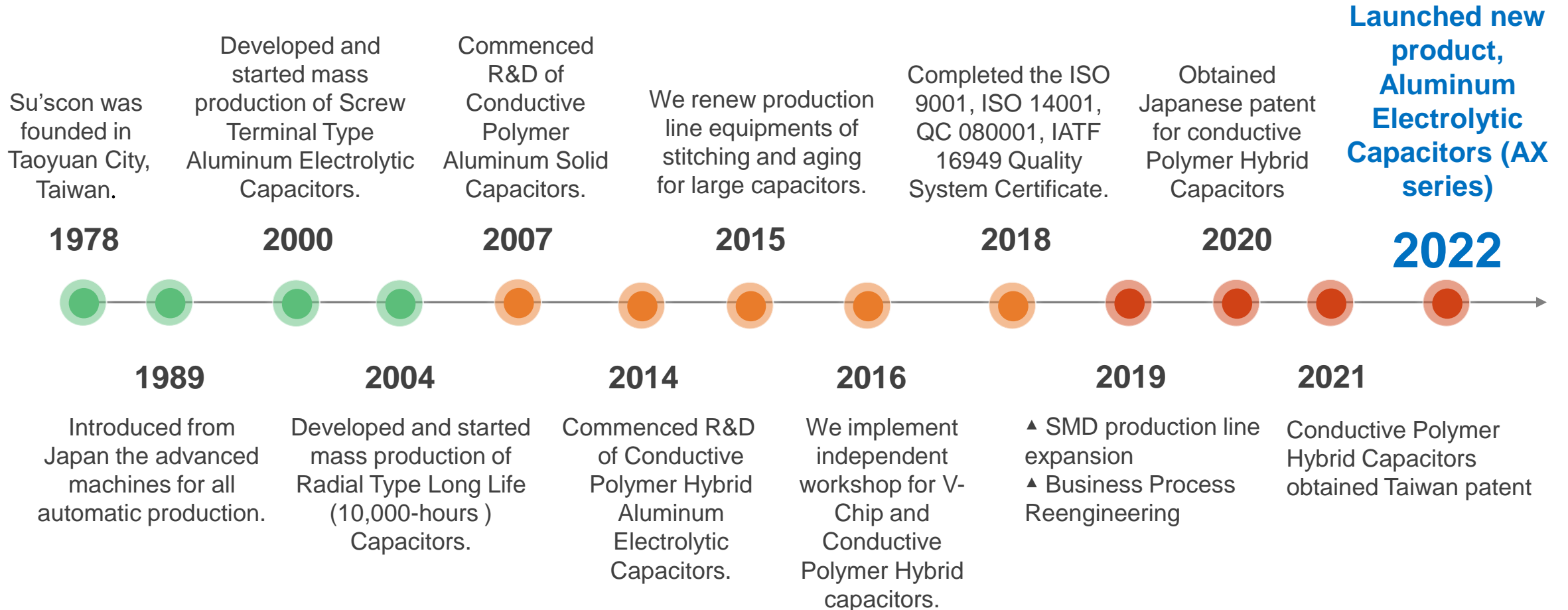
- ▲ Capital : USD\$ 24 Million
- ▲ Production Capacity : 380KK pcs/Month
- ▲ Sales Revenue : USD\$ 80 Million
- ▲ Employee : 1,300 Workers

Aluminum Electrolytic Capacitors

Su'scon



# Milestones





**44**  
**Years**  
Since 1978

## MISSION

“To provide the aluminum electrolytic capacitors solutions by consistently delivering **Quality Assurance, Excellent Services and Innovation** which offer value.

## VISION

We will be recognized for leadership in our industries and by those we serve.

## CORE VALUES

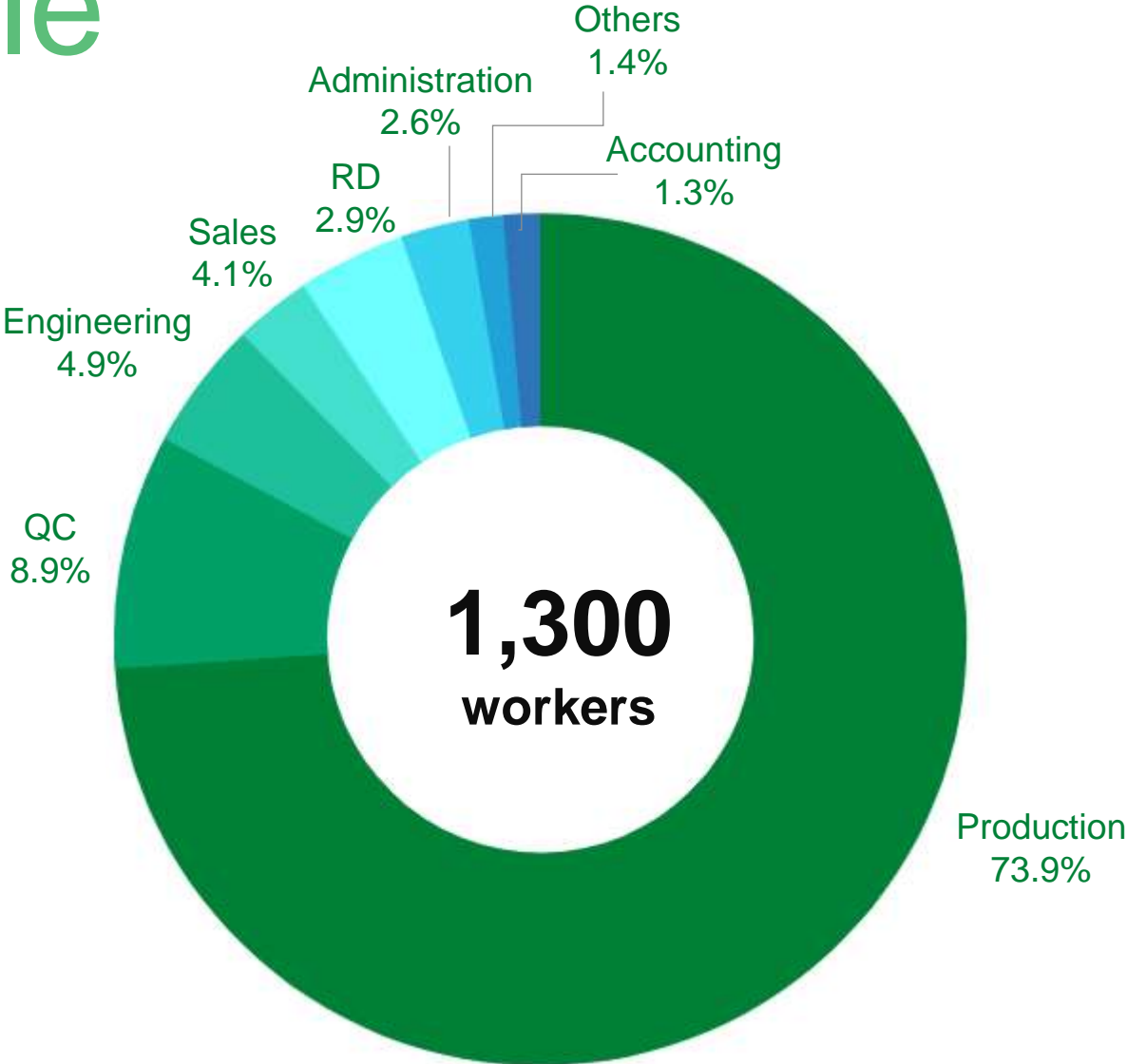
**Innovation**

**Integrity**

**Efficiency**

# Factory Profile

Capacity: 380 KK pcs/ month  
Area: 56,000m<sup>2</sup>



# Clean Production and Sustainable Environmental Protection

Pb-free products, non-PVC encasing products and RoHS compliance materials are available.

**Pb-free products**

Halogen

**F**  
ree

RoHS COMPLIANT

Environmental-Benefit Products

**X-Ray Fluorescence Analysis**



To comprehensively examine raw materials to meet ROHS directives.

**Su'scon**



**ISO 14001 Authorized**

Achieving the standardization of environmental protection.



# Su'scon

## Taiwan

Kuan Kun Electronic Enterprise Co.,Ltd.

## Hong Kong

Kuan Shin Investments Co., Ltd.

## Dong Guan, China

DongGuan Kuan Kun Electronic Co.,Ltd.

## Suzhou, China

DongGuan Kuan Yi Electronic Co.,Ltd.(SZ)

**Reseller**

## Korea

Sensitek Korea, YMJTECH CO.,LTD

## Japan

MIKASA SHOJI Co.,Ltd.

## Singapore

GSI Electronics Pte Ltd.

## America

Lumimax Optoelectronic

## Germany

Witting Electronic GmbH

## Italy

Special-Ind S.p.A.

## Switzerland

ALTEC Electronic AG

## India

Micro Devices Inc.

## Indonesia

PT Capcom

New Taipei City, TW  
(Headquarters)

# Why choose us

Quality Assurance, Excellent Services, and Innovation

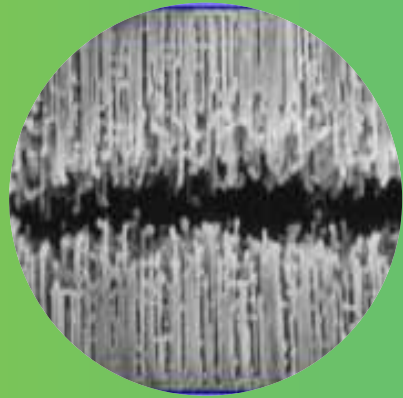
**Su'scon**



# Competitive Advantages



New Material Application  
Technology



To achieve low ESR, high withstand voltage, low ESR by New Material Application Technology.

Electrolyte development  
Technology



The electrolyte of Su'scon increased electrical conductivity, resolved the hydration reaction.

R&D Technology



The R&D team, focusing on developing products that meet customer needs.

Equipment Capability  
Technology



We manufacture aluminum electrolytic capacitors in Dongguan, China.

# Main Materials

## Anode Foil (low voltage)

ZHAOQING HUA FENG, NANTONG HAIYI,  
JAAN CHERNG, FULL CHEER, QUOTECH CORP.

## Anode Foil (high voltage)

NANTONG HAIXING, ZHAOQING GAOYAO, JOINWORLD  
HUAFENG, YIDU DONG YANG GUANG, XINJANG

## Lead Wire

NANTONG NANMING, SHENZHEN KINGLIFE,  
LITON ELECTRONICS CORP

## Aluminum Case

OAKLEY ELECTRONICS(SHENZHEN), LIN AN  
AO XING, D.N Tech, SHAOGUAN YUANKANG

## Sleeve (PET)

YUN LIN PLASTIC (SHENZHEN)  
NANTONG BOPU PLASTIC

## Rubber Seal

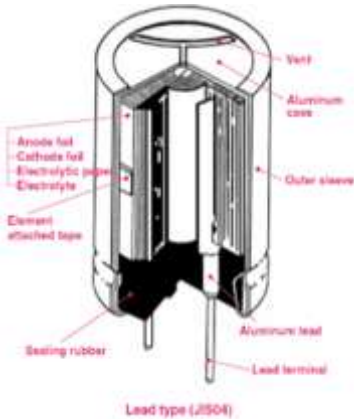
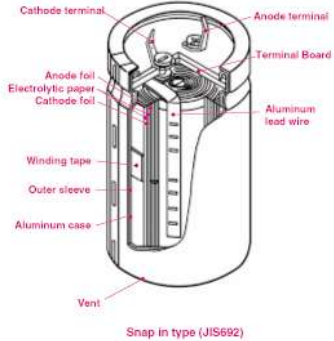
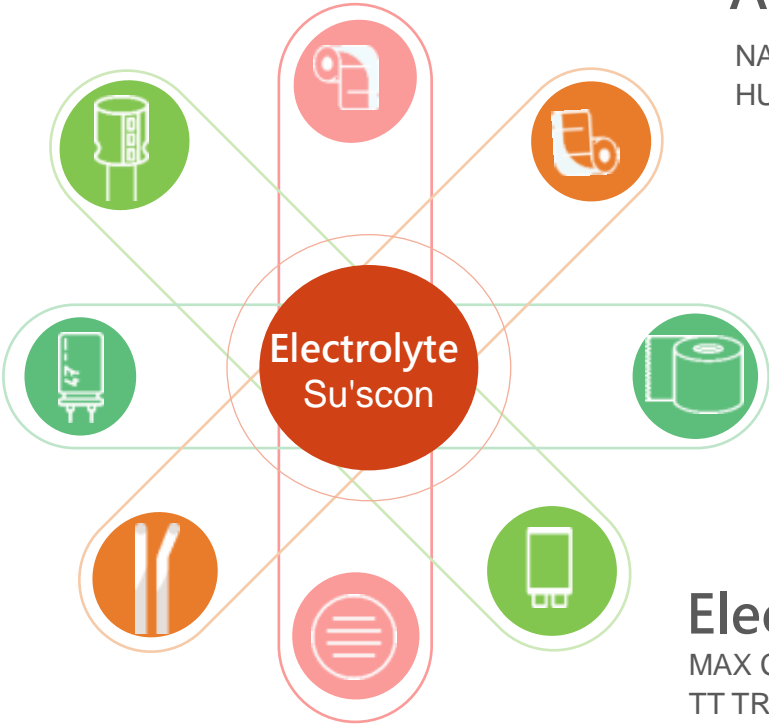
LIEN MING RUBBER(HUI DONG), LIAN HUA XIN  
PRECISE RUBBER, QINGDAO SUNGNAM, LIEN AN  
RUBBER, SUZHOU YU FENG RUBBER IND

## Cathode Foil

ELECON (SHAO GUAN)  
AFT ELECTRONIC

## Electrolyte Paper

MAX CARRY, DONGGUAN RICON, TOKYO SANGYO YOSHI,  
TT TRADING, ZHE JIANG KAN PAPERS, GLATFELTER TRADE



- ✓ Japanese experts have more than 50 years of experience in R&D of capacitor.
- ✓ Experts from Taiwan and China with over 20 years of experience in capacitor development and quality control.
- ✓ Engineers from professional fields such as polymer chemistry and applied chemistry.



- ✓ Our products obtained a lot of invention patent rights.
- ✓ Su'scon electrolyte technologies honored with invention patents.
- ✓ Continuously enhancing RD capability and applying for more patents.

**R&D Team**

**PROFESSIONAL  
INTERNATIONAL**

**P A T E N T**

# Production



56,000 m<sup>2</sup>



6S Management



Increased and updated equipments



Automated production line

# Capabilities

# Quality Management System



ISO 9001



ISO 45001\*



QC 080001



ISO 14001



IATF 16949



AWESOME

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\* OHSAS 18001 is now ISO 45001

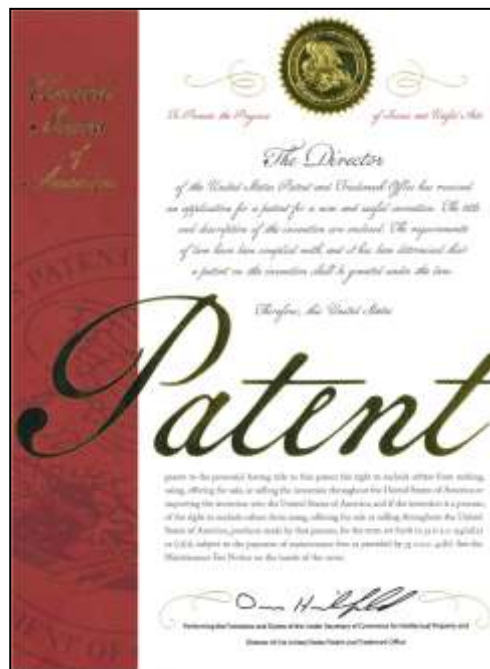
# Conductive Polymer Hybrid Capacitors



Taiwan



Japan



U.S.A

# Patent Certificate



# AEC-Q200 Reliability Test Requirements



**ISO/IEC17025:2017**  
is planned to pass the CNAS  
certification in March 2022



**Axial Type**



**Polymer Hybrid**



**SMD Type**



**Anhydrous Type**

## AEC-Q200 Qualification Tests

1. Pre-and Post-Stress Electrical Test
2. High Temperature Exposure ( Storage )
3. Temperature Cycling
4. Biased Humidity
5. Operational Life
6. External Visual
7. Physical Dimension
8. Terminal Strength (Leaded)
9. Resistance to Solvents
10. Mechanical Shock
11. Vibration
12. Resistance to Soldering Heat
13. ESD
14. Solder ability
15. Electrical Characterization
16. Flammability
17. Board Flex
18. Terminal Strength(SMD)
19. Surge Voltage











# Aging Process Advantages



We track each lot and data management to ensure feedback and quality process more reliable.

電容容値C( $\mu$ F)		損失角DF(%)	漏電量LC( $\mu$ A)		漏電量測電壓	等效阻抗ESR(m $\Omega$ )
Hi-Limit	LO-Limit	Hi-Limit	Hi-Limit	LO-Limit	LC Voltage	Hi-Limit
644	476	5	100	0.05	6.3	8

# Road Map of Products

Year	2020	2021	2022	2023
<b>Size</b> (100uF 450V)	 18* 30	 18* 28	 18* 26	 18* 25
<b>Temperature</b>	135°C , 2000hrs	150°C , 1000hrs	150°C , 2000hrs	150°C , 2000hrs
<b>Voltage</b>	 650V	 700V	 700V	 730V
<b>ESR</b> (68uF/400V/100KHZ)	0.35 Ω	0.30 Ω	0.25 Ω	0.22 Ω

# What we do

Aluminum Electrolytic Capacitors

*Su'scon*



Screw Type



Snap-in Type



SMD Type



Radial Type



Polymer



Polymer Hybrid

# Generally applicative in various industries



SMART APPLIANCES



AUTOMOTIVE ELECTRONICS



TELECOMMUNICATION



MEDICAL



INDUSTRY AUTOMATION



RENEWABLE ENERGY



## Conductive Polymer Aluminum Solid Capacitor

PC board / Servers, Graphics card, Slim card, Industrial computer, Power Supply, Electronic rectifier

- Rated Voltage : 2.5V ~ 100V
- Temperature Range : -55°C ~ +125 °C
- Capacitance Range : 6.8uF ~ 2700uF
- Size Range : 5×6 ~ 10×20 (mm)
- Load Life : 1,000hrs ~ 5,000hrs



## Conductive Polymer Hybrid Aluminum Electrolytic Capacitor

Automotive electronics, Servers, Display, Security camera

- Rated Voltage : 16V ~ 125V
- Temperature Range : -55°C ~ +135 °C
- Capacitance Range : 10uF ~ 560uF
- Size Range : 6.3×7.2 ~ 10×12 (mm)
- Load Life : 1,000hrs ~ 10,000hrs



## Aluminum Electrolytic Capacitor SMD, V-Chip Type

Industrial computer, Graphics card, Slim card, LED TV, CCD camera, Electronic rectifier

- Rated Voltage : 4V ~ 400V
- Temperature Range : -55°C ~ +125 °C
- Capacitance Range : 0.1uF ~ 4700uF
- Size Range : 4×5.4 ~ 16×16.5 (mm)
- Load Life : 1,000hrs ~ 5,000hrs



Low ESR, High withstand voltage, High reliability



## Aluminum Electrolytic Capacitor Radial Type

Slim type for ultra-thin LED TV/LCD Monitor, Telecommunication equipment, LED light power, Switching power supply, Ballast

- Rated Voltage : 4V ~ 500V
- Temperature Range : -55°C ~ +130 °C
- Capacitance Range : 0.1uF ~ 33,000uF
- Size Range : 4×5 ~ 25×50 (mm)
- Load Life : 1,000hrs ~ 12,000hrs



## Aluminum Electrolytic Capacitor Anhydrous Type

Industrial machine, Telecommunication equipment, return-circuit of switching power source

- Rated Voltage : 6.3 V ~ 400V
- Temperature Range : -55°C ~ +105 °C
- Capacitance Range : 0.47uF ~ 18,000uF
- Size Range : 5 x 11 ~ 18×40 (mm)
- Load Life : 2,000hrs ~ 10,000hrs



## Aluminum Electrolytic Capacitor Snap-in Type

Computer power supply, Inverter, Industrial equipment, Audio, White Goods

- Rated Voltage : 10V ~ 500V
- Temperature Range : -40°C ~ +105 °C
- Capacitance Range : 33uF ~ 68,000uF
- Size Range : 20x20 ~ 35×65 (mm)
- Load Life : 2,000hrs ~ 10,000hrs



## Aluminum Electrolytic Capacitor Screw Terminal Type

Telecommunication equipment, Equipment power, Industrial machine, Power inverter, Solar Pumping Inverter, Wind Mill Generator, Boats, Trucks

- Rated Voltage : 10V ~ 650V
- Temperature Range : -40°C ~ +105 °C
- Capacitance Range : 220uF ~ 1,000,000uF
- Size Range : 35×80 ~ 100×250 (mm)
- Load Life : 2,000hrs ~ 10,000hrs



Low Impedance, High Ripple, Long Life

# Services



## Identifying customer needs

Knowing what our customers want and why.



## Customized Solutions

To provide the best solutions and samples that meet those needs.



## Respond Immediately Delivery on time

Quickly respond to customer inquiries and feedback.  
Strong production capacity ensures on-time delivery.



## Serving our customers worldwide

Our services and quality of products have earned trust among our customers around the world.

# Who we serve?

Aluminum Electrolytic Capacitors

*Su'scon*



# Customer

FOXCONN®



LITEON®

wistron



Panasonic

SHARP

ONKYO®



JABIL

flex



Pioneer

SOLUM



# Customer



# Customer

CyberPower®

Su-Kam  
powered by innovation

INNOLUX  
群創光電

DVE®

欧陆通  
HONOTO

TECO

聯昌電子企業  
LIEN CHANG

PEGATRON

D-Link®  
Building Networks for People

Hisense

TOA  
Smiles for the Public

INVENTRONICS  
英飞特电子

CleanPower | Electric Systems  
电气系统



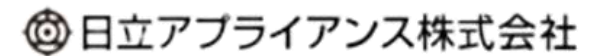
WHETRON

AmTRAN  
Seeing Better World

TPV | 冠捷科技  
VISION INNOVATOR | 用心專注 領航視界

EAST® 易事特

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# Thank You



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