

Su'scon

Professional Manufacturer of
Aluminum Electrolytic Capacitors

KUAN KUN | **Company Profile**



About *Su'scon*

Su'scon Kuan Kun Electronic Enterprise Co., Ltd. , was founded by General Manager Johnson Su in 1978. The company specializes in providing solutions associated with the design, R&D, manufacture, and sales of aluminum electrolytic capacitors. For the past four decades, Su'scon has obtained numerous patents in Taiwan through its strong R&D capability, offering reliable, efficient solutions to customers.

With its headquarters in Taiwan, Kuan Kun focus on establishing a global presence by founding branches in Hong Kong, China, and other regions. To date, Kuan Kun has become a global aluminum electrolytic capacitor manufacturer, with businesses in Taiwan, China, Japan, South Korea, the United States, and Europe.



Johnson Su
(CEO)

Su'scon Global Agents



- ★ Head Office
- Branch
- Agents

Offices

<p>Taiwan KUAN KUN ELECTRONIC ENTERPRISE CO., LTD.</p> <p>Hong Kong KUAN SHIH INVESTMENTS CO., LTD.</p>	<p>Dong Guan DONG GUAN KUAN KUN ELECTRONIC CO., LTD.</p> <p>Dong Guan DONG GUAN KUAN YI ELECTRONIC CO.,LTD</p>	<p>Suzhou DONG GUAN KUAN YI ELECTRONIC CO.,LTD SUZHOU BRANCH</p>
---	--	---

Agents

<p>Korea SENSITEK KOREA CO., LTD. S.K.C. (SOLUTION KOREA COMPANY) FOSCOM MARIO TRONICS GYE CO., LTD. FINE DIGITECH</p>	<p>Japan MIKASA SHOJI CO., LTD.</p> <p>India MICRO DEVICES INC.</p> <p>Singapore GSI ELECTRONICS PTE LTD.</p>	<p>USA LUMIMAX OPTOELECTRONIC</p> <p>Germany WITTIG ELECTRONIC GMBH</p> <p>Italy SPECIAL-IND S.P.A.</p>	<p>Switzerland ALTEC ELECTRONIC AG</p> <p>Israel BETECH ENG. LTD</p>
---	--	--	--

Milestone

Business Expansion Chronology

- 2019 ■ The Business Process Reengineering Project was launched.
- 2014 ■ The Operation Center of Kaun Yi was founded in Suzhou, China.
- 2006 ■ Qingxi Second Factory opened.
- 2001 ■ The headquarters was moved to Zhonghe District, New Taipei City.
- 1999 ■ Production was moved to Qing Xi, Dongguan City, China.
- 1993 ■ A new production line was established in Dongguan City (Humen Town) to meet the demand for company products in China.
- 1981 ■ Production was moved to Shulin District, New Taipei City.
- 1978 ■ In October, our President Mr. Johnson Su founded Kuan Kun Electronic Enterprise Co., Ltd in Taoyuan City, Taiwan.

Chronology of R&D and Manufacturing Advances

- 2022 ■ Launched new product, Aluminum Electrolytic Capacitors (AX series).
- 2019 ■ The SMD production line was expanded.
- 2016 ■ Independent workshops of V-chips and Conductive Polymer Hybrid Capacitors vehicle capacitors were established for business expansion to the in-vehicle component market.
- 2015 ■ The production line for large capacitors was redesigned to meet industry needs and for energy market development.
■ Stitching, dipping, and equipment were replaced and expanded.
- 2014 ■ R&D was conducted for conductive polymer hybrid aluminum electrolytic capacitors.
- 2007 ■ R&D was conducted for organic conductive aluminum electrolytic capacitors.
- 2006 ■ The production line of V-chips and aluminum electrolytic capacitors was established.
■ The development and mass production of radial-type aluminum electrolytic capacitors for audio equipment were realized.
- 2004 ■ The development and mass production of radial-type aluminum electrolytic capacitors with 1000-h load life were realized.
- 2000 ■ A factory was constructed and the production line started; research, development, and mass production of screw-terminal type aluminum electrolytic capacitors were achieved.
- 1989 ■ Fully automated equipment from Japan was introduced.
- 1981 ■ Advanced manufacturing equipment was employed for updating the equipment.

Factory

Location	□	Dong Guan, China
Production Capacity	□	3.8 KK pcs/Month
Area	□	56,000 m ²

Chronology of Special Achievements

- 2021 ■ Conductive Polymer Hybrid Capacitors obtained Taiwan patent.
- 2020 ■ Obtained the first Japanese patent for Conductive Polymer Hybrid Capacitors.
- 2019 ■ The Business Process Reengineering Project was launched.
- 2010 ■ The Qing Xi factory passed the QC 080001 and OHSAS 18000 certification.
■ The Qing Xi factory passed the ISO/TS 16949 certification.
- 2003 ■ The Qing Xi factory passed the ISO 14001 certification.
- 2002 ■ The Qing Xi factory passed the ISO 9001 certification.
- 2001 ■ The Qing Xi factory in Dongguan was granted with the Advanced Foreign Invested Enterprise award and has since then received the award yearly.

Su'scon Future Plan

Focus On The Development of High-End Capacitor Products

- ◆ Actively develop **automotive** special capacitors.
- ◆ Actively develop **medical** special capacitors.

Productivity Expansion

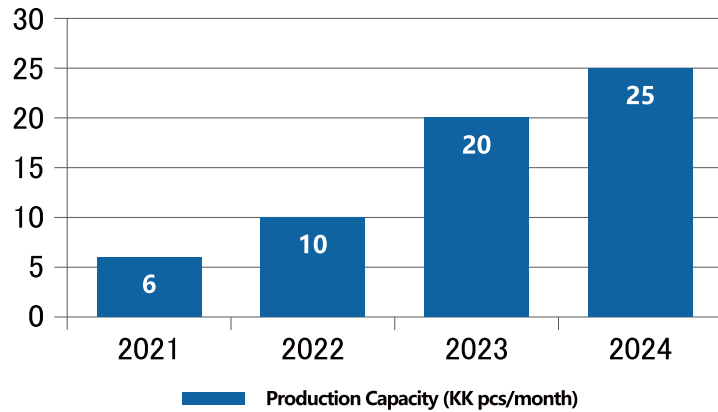
- ◆ We **expand the new** factory to meet the needs of the high-end application market.

Ensure A Stable Supply of Key Materials

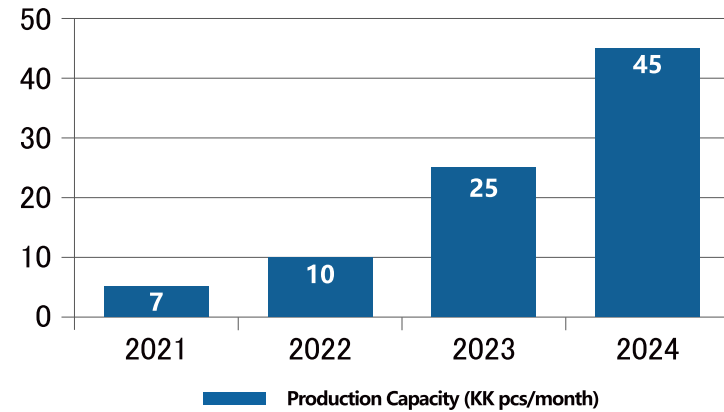
- ◆ Develop high-quality **new suppliers**.
- ◆ Complete test of material properties.
- ◆ Choose suitable materials in product design.
- ◆ Optimize process.
- ◆ **Strictly implement reliability verification.**

Productivity Planning

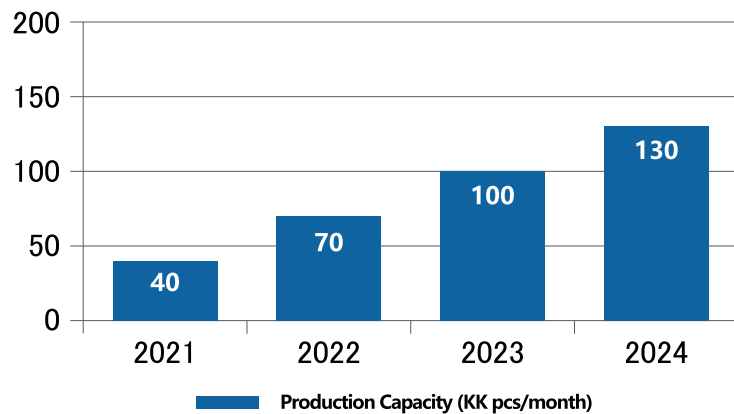
Conductive Polymer Hybrid Capacitors



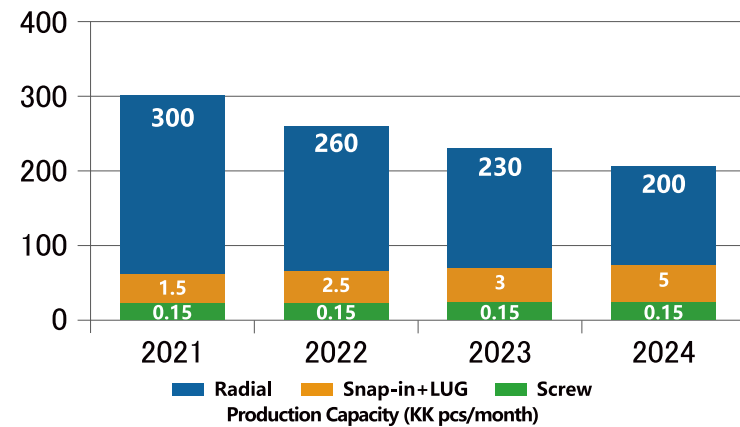
Conductive Polymer Capacitors



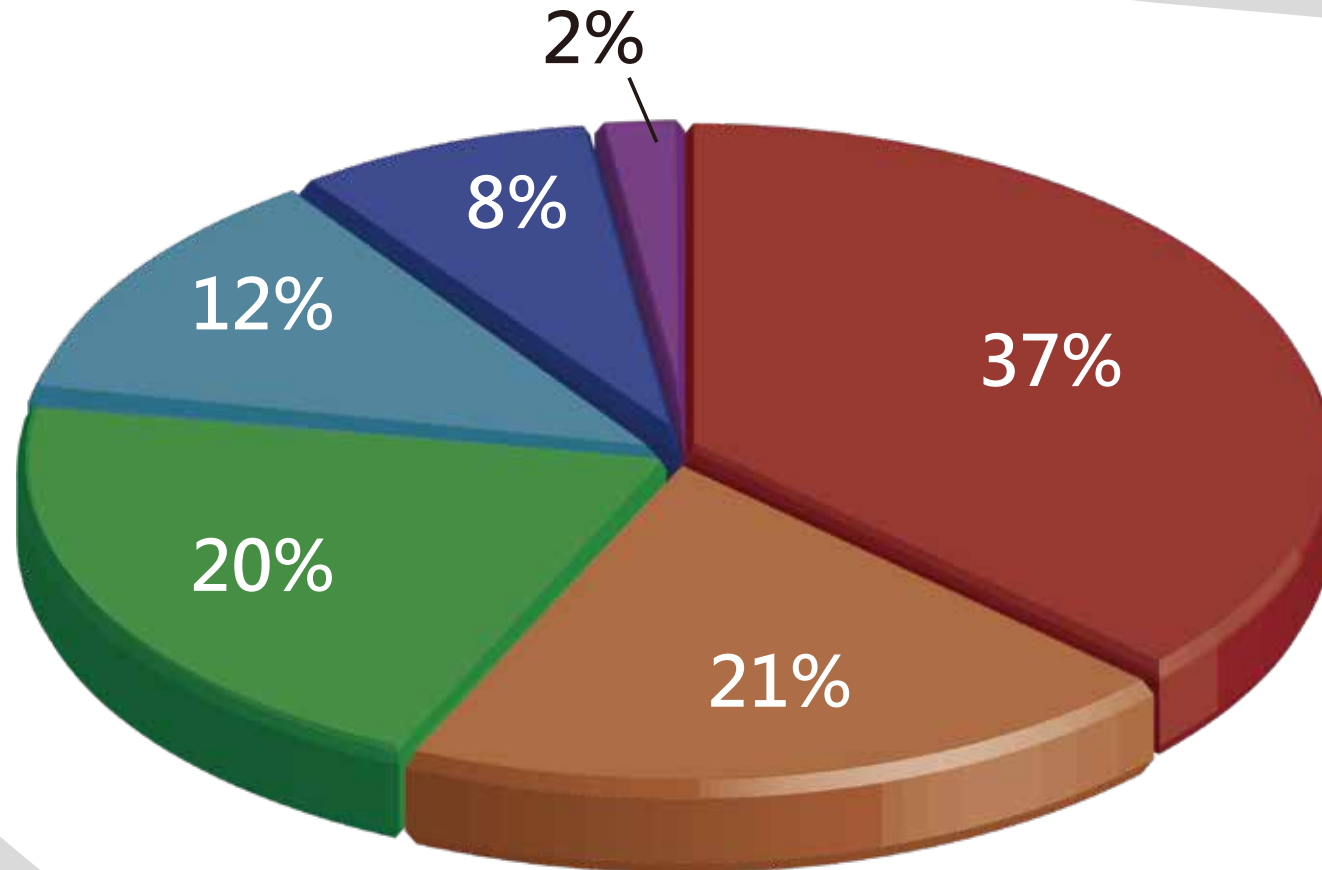
Aluminum Electrolytic Capacitors (SMD Type)



Aluminum Electrolytic Capacitors (DIP)



Product Ratio



- Power
- Automotive
- Consumer
- Set Top Box, Telecom
- Automation & Industrial
- Medical

Su'scon International Professional R&D Team

- ◆ Japanese experts with more than 50 years of experience in **capacitor R&D and manufacturing**.
- ◆ Taiwan and China experts with more than 20 years of experience in **capacitor R&D and quality control**.
- ◆ Engineers from professional fields such as **polymer chemistry and applied chemistry**.

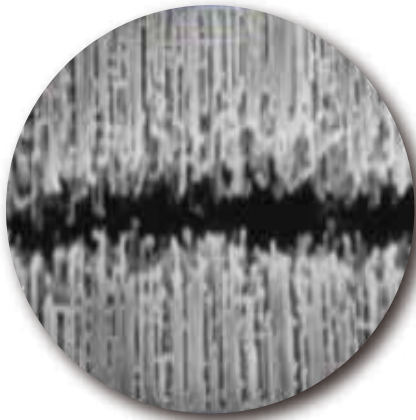


Patented Technology is World-Renowned

- ◆ Conductive Polymer Hybrid Capacitors has won the patent certificate of **Japan, the United States and Taiwan**.
- ◆ Automotive electronic products obtained the patent of Anti-vibration Seat Plate in **China**.



Technology Advantages



New Material Application Technology

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



R&D Technology

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



Electrolyte Development Technology

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



Equipment Capability Technology

We manufacture aluminum electrolytic capacitors in Dongguan, China.

Su'scon Capacity Advantage

Factory Area
56,000m²



6S
Management



Increase & Updated
Equipments



Automated
Production Line



Meet the Needs of International Manufacturers for Capacitors

Customized
Solutions

R&D
&
Innovation

Su'scon

Comprehensive
Product
Offering

Excellent
Quality
&
Service

Strict Control of Materials to Create Excellent Quality

Electrolyte

KUAN KUN

Electrolyte Paper

GLATFELTER, MAX CARRY, TOKYO SANGYO, TT TRADING, KAN, RICON, CRRC

Anode Foil
(Low Voltage)

HUA FENG, HAIYI, FULL CHEER, LITON,
EVERCON

Cathode Foil

AFT, FEILO

Anode Foil
(High Voltage)

JOINWORLD, HAIXING, JINTAI,
FENGCHUAN

Sleeve (PET)

YUN LIN, BOPU

Lead Wire

NANMING, KINGLIFE, RIHUI

Aluminum Case

OAKLEY, AO XING, YUANKANG, SHIHAO

Rubber Seal

SUNGNAM, LIEN AN, YU FENG,
LIAN HUA XIN, XIANGHE



Clean Production And Sustainable Environmental Protection

QC 080000

Hazardous Substance
Process Management

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

Pb-Free Products

Environmental-Benefit Products

Comply with RoHS specifications
sustainable environmental
protection.

Halogen

Free

RoHSCOMPLIANT



X-Ray Fluorescence Analysis

To comprehensively
examine raw materials
to meet ROHS directives.

Su'scon



ISO 14001 Authorized

Achieving the standardization
of environmental protection.

Data Can Be Traced Back To Ensure Our Quality More Reliable

Aging Process Advantages

牛角电容老化设备
HORN CAPACITOR
EQUIPMENT

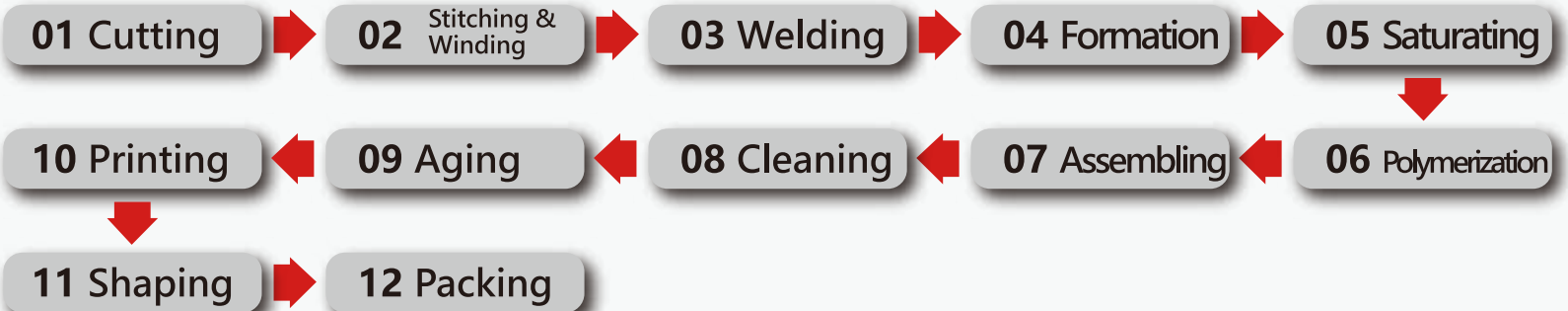
Data Management of Each Batch And Each Piece

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



Process Flow Chart

Conductive Polymer Hybrid Capacitors



Conductive Polymer Capacitors



Aluminum Electrolytic Capacitors



Complete Product Range

Conductive Polymer Hybrid Capacitors



SMD

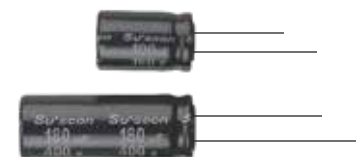


Radial

Aluminum Electrolytic Capacitors

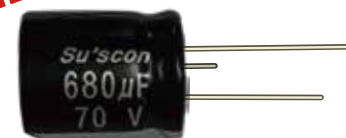


SMD



Radial

NEW



Radial

(3 pins · for TCU & ECU)

Conductive Polymer Capacitors



SMD



Radial



Screw Terminal



LUG Terminal



Snap In

Products Can Be Widely Used In Six Fields



Automotive



Medical



Industry



Smart Appliances



Renewable Energy



Telecom

Conductive Polymer Hybrid Capacitors



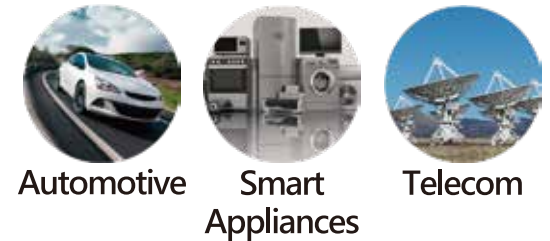
SMD

- ◆ Rated Voltage 16V~125V
- ◆ Temperature -55 °C ~+135 °C
- ◆ Capacitance 10μF ~560 μF
- ◆ Size Range 6.3x6.0~10x12 (mm)
- ◆ Load Life 1,000~10,000 (hrs)



Radial

- ◆ Rated Voltage 16V~125V
- ◆ Temperature -55 °C ~+135 °C
- ◆ Capacitance 10μF ~560 μF
- ◆ Size Range 6.3x7.2~10x11.5 (mm)
- ◆ Load Life 2,000~10,000 (hrs)



Conductive Polymer Capacitors



SMD

- ◆ Rated Voltage 2.5V~100V
- ◆ Temperature -55 °C ~+125 °C
- ◆ Capacitance 10μF ~2,200 μF
- ◆ Size Range 5x6~10x12.5 (mm)
- ◆ Load Life 1,000~20,000 (hrs)



Medical



Smart Appliances



Telecom



Industry



Radial

- ◆ Rated Voltage 2.5V~100V
- ◆ Temperature -55 °C ~+125 °C
- ◆ Capacitance 6.8μF ~2,700 μF
- ◆ Size Range 5x6~10x20 (mm)
- ◆ Load Life 1,000~20,000 (hrs)



Medical



Smart Appliances



Telecom



Industry

Aluminum Electrolytic Capacitors



SMD

- ◆ Rated Voltage
4V~400V
- ◆ Temperature
-55 °C ~+135 °C
- ◆ Capacitance
0.1 μ F ~4,700 μ F

- ◆ Size Range
4.0x5.4~18x21.5 (mm)
- ◆ Load Life
1,000~10,000 (hrs)



Medical



Smart Appliances



Automotive



Industry



Telecom



Renewable Energy



Radial

- ◆ Rated Voltage
4V~500V
- ◆ Temperature
-55 °C ~+130 °C
- ◆ Capacitance
0.1 μ F ~22,000 μ F

- ◆ Size Range
4x5~25x50 (mm)
- ◆ Load Life
1,000~20,000 (hrs)



Medical



Smart Appliances



Automotive



Industry



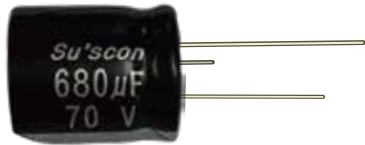
Telecom



Renewable Energy

Aluminum Electrolytic Capacitors

NEW



Radial (3 pins) (For TCU & ECU)

- ◆ Rated Voltage 10V~100V
- ◆ Temperature -40 °C ~+125 °C
- ◆ Capacitance 220µF ~8,200 µF
- ◆ Size Range 12.5x15~20x40 (mm)
- ◆ Load Life 1,000~5,000 (hrs)



Automotive



Snap In

- ◆ Rated Voltage 10V~500V
- ◆ Temperature -40 °C ~+105 °C
- ◆ Capacitance 47µF ~68,000 µF
- ◆ Size Range 20x20~50x100 (mm)
- ◆ Load Life 2,000~10,000 (hrs)



Medical



Smart Appliances



Automotive



Industry



Telecom



Renewable Energy

Aluminum Electrolytic Capacitors



LUG Terminal

- ◆ **Rated Voltage**
16V~450V
- ◆ **Temperature**
-40 °C ~ +105 °C
- ◆ **Capacitance**
68 μ F ~ 150,000 μ F
- ◆ **Size Range**
25x25~51x105 (mm)
- ◆ **Load Life**
2,000 (hrs)



Industry



Telecom



Smart Appliances



Screw Terminal

- ◆ **Rated Voltage**
16V~650V
- ◆ **Temperature**
-40 °C ~ +105 °C
- ◆ **Capacitance**
220 μ F ~ 1,000,000 μ F
- ◆ **Size Range**
35x80~100x250 (mm)
- ◆ **Load Life**
2,000~5,000 (hrs)



Renewable Energy



Smart Appliances



Telecom

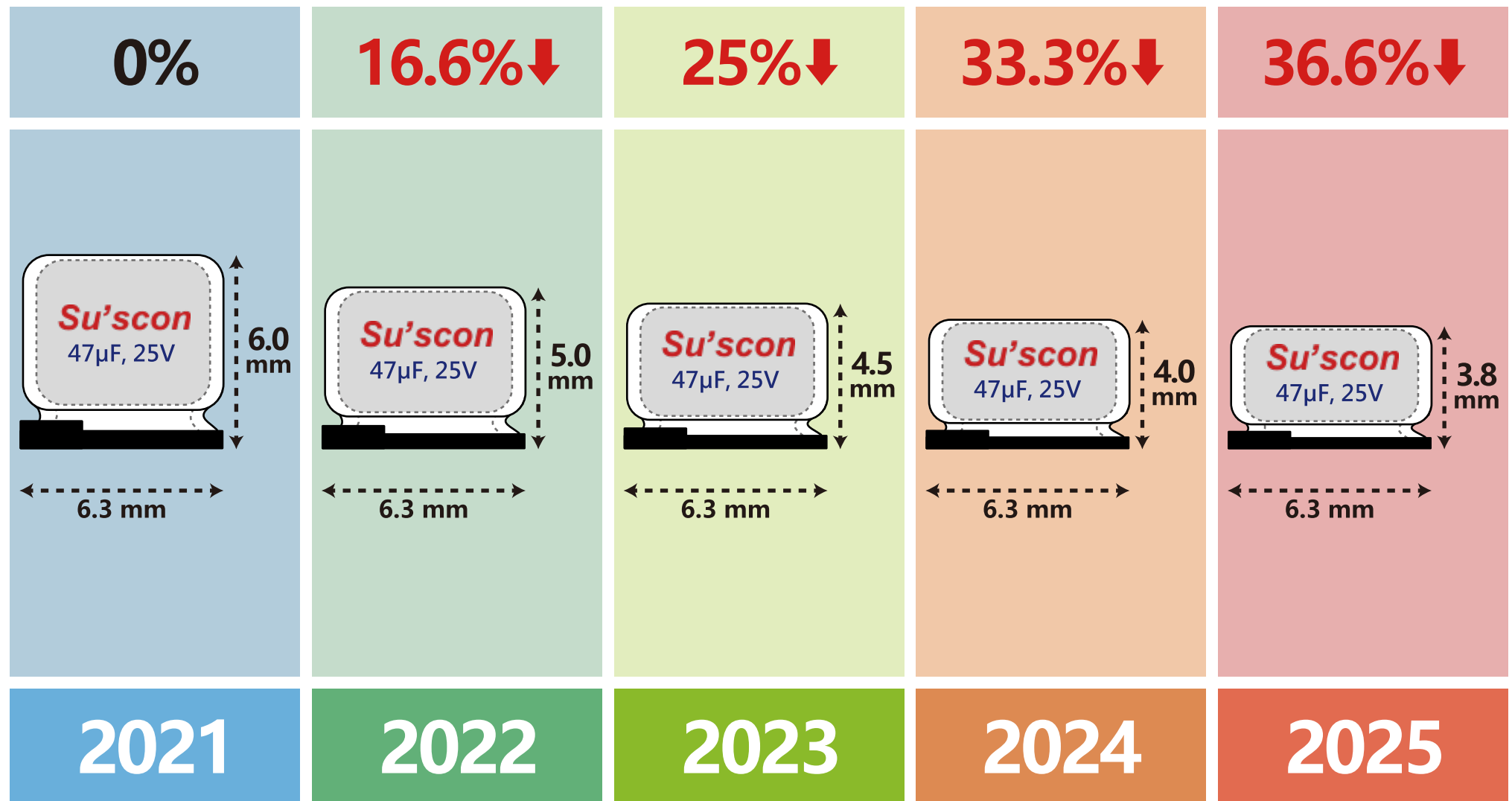


Industry

Su'scon Product Road Map: Down Size

Conductive Polymer Capacitors - SMD Type

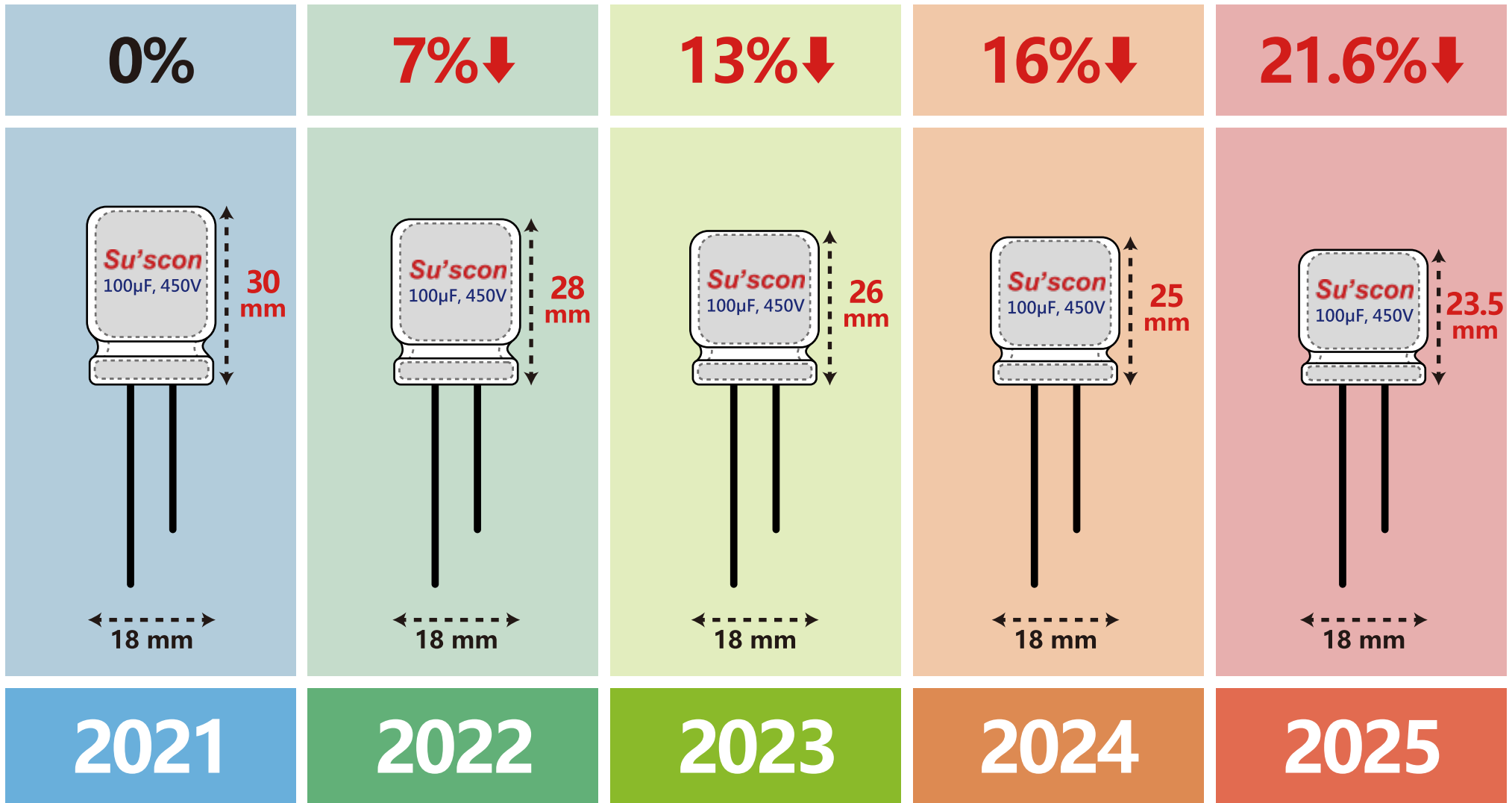
Ex : VT Series 47 μ F/25V



Su'scon Product Road Map: Down Size

Aluminum Electrolytic Capacitors - Radial Type

Ex : SK Series 100 μ F/450V



Su'scon Product Road Map: Down Size

Aluminum Electrolytic Capacitors - Snap In Type

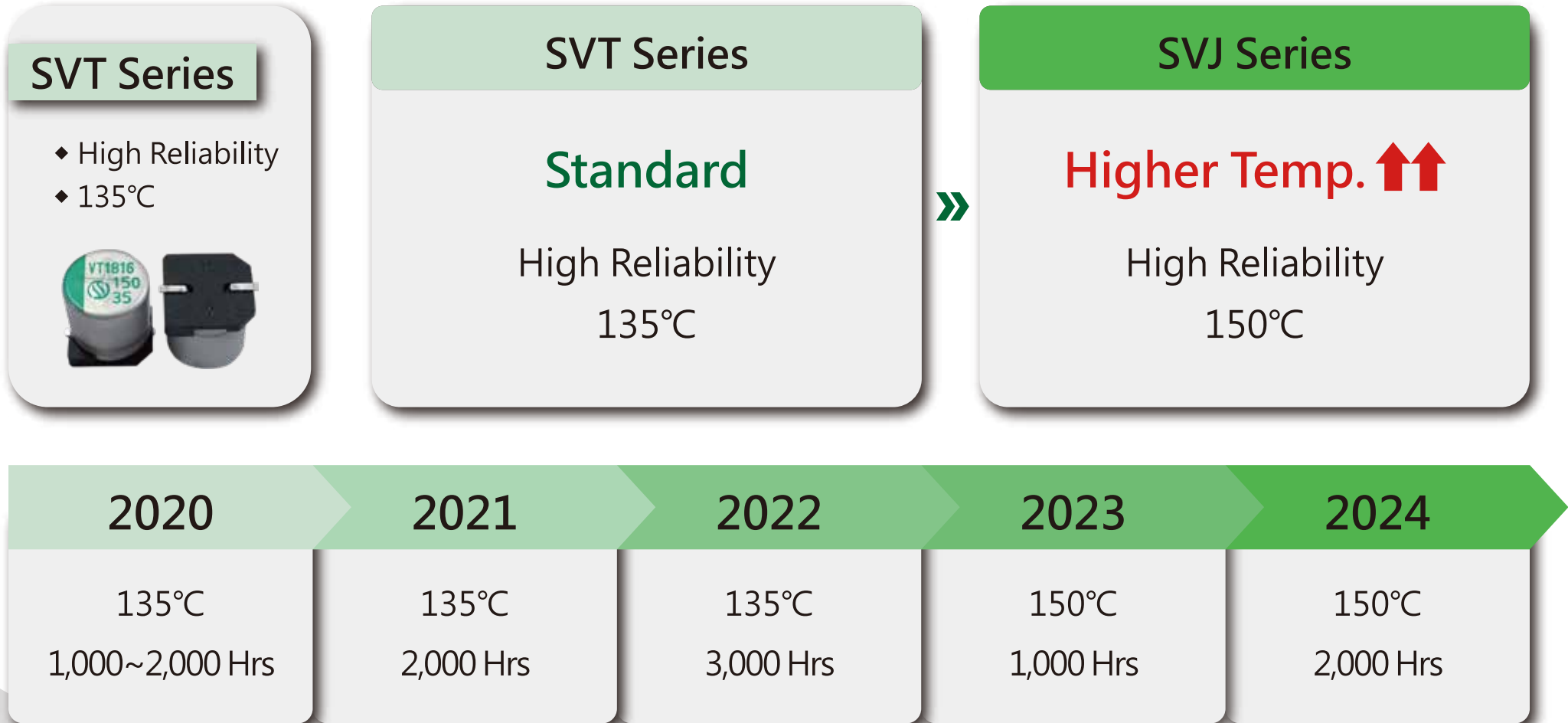
Ex : 390 μ F/450V



Conductive Polymer Hybrid Capacitors

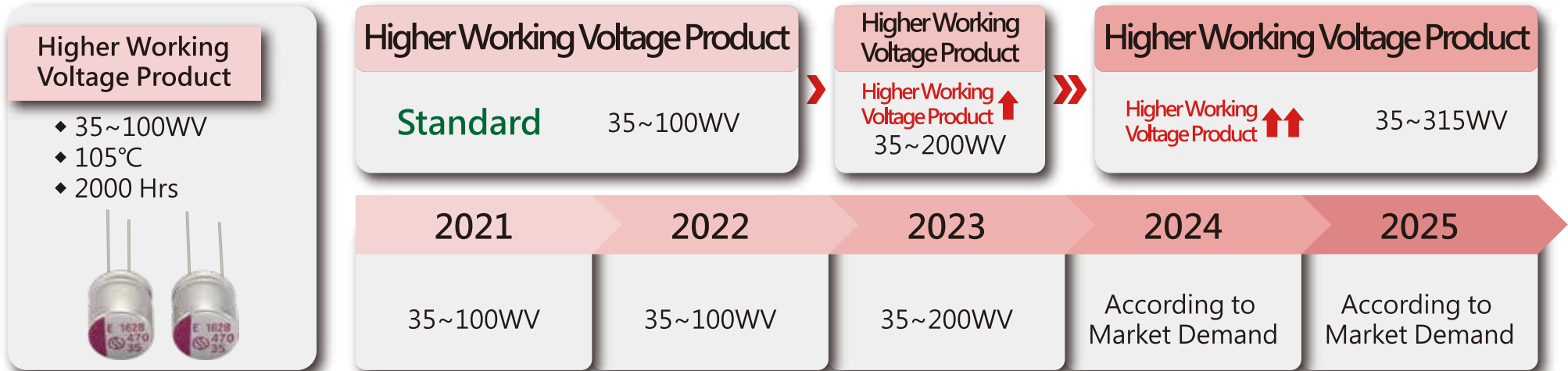
SMD Type : High Temperature Product (Automotive Electronics)

Ex : 270 μ F/25V



Conductive Polymer Capacitors

Radial Type : Higher Working Voltage Product



Radial Type : Lowest ESR Product

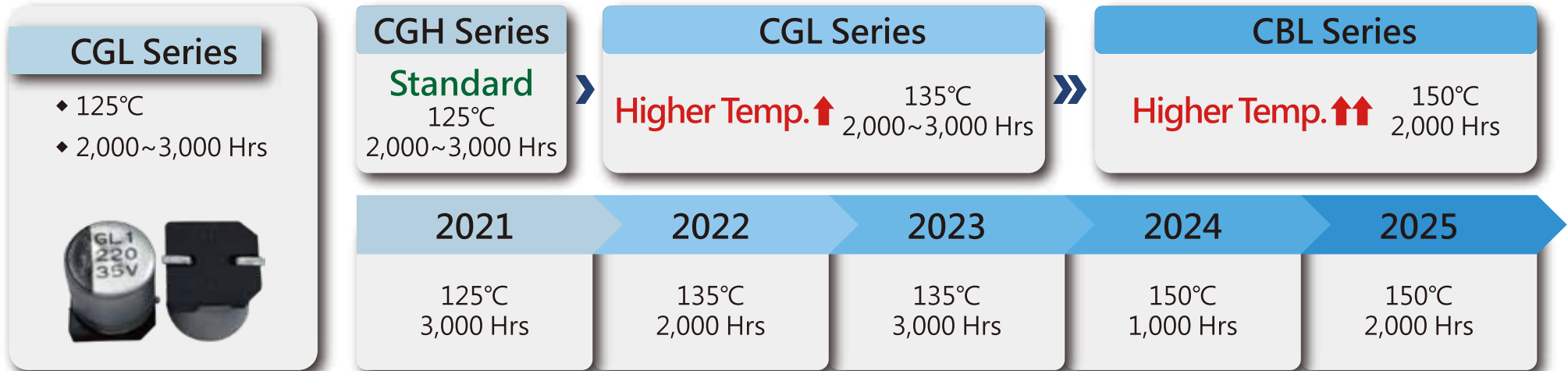
Ex : 470μF/6.3V, 8x12(mm)



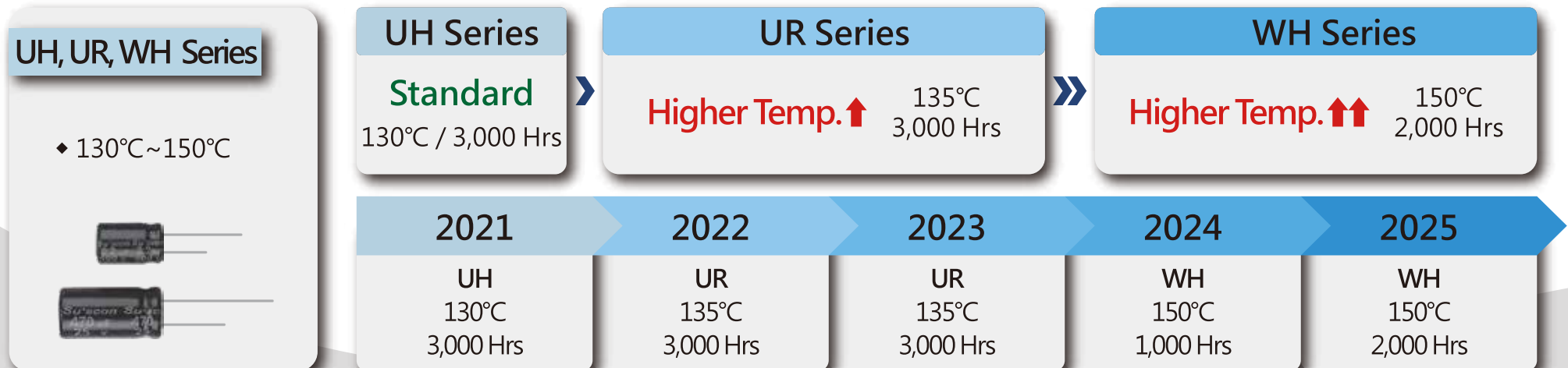
Aluminum Electrolytic Capacitors

SMD Type : High Temperature Product (Automotive Electronics)

Ex : 270μF/25V



Radial Type : High Temperature Product

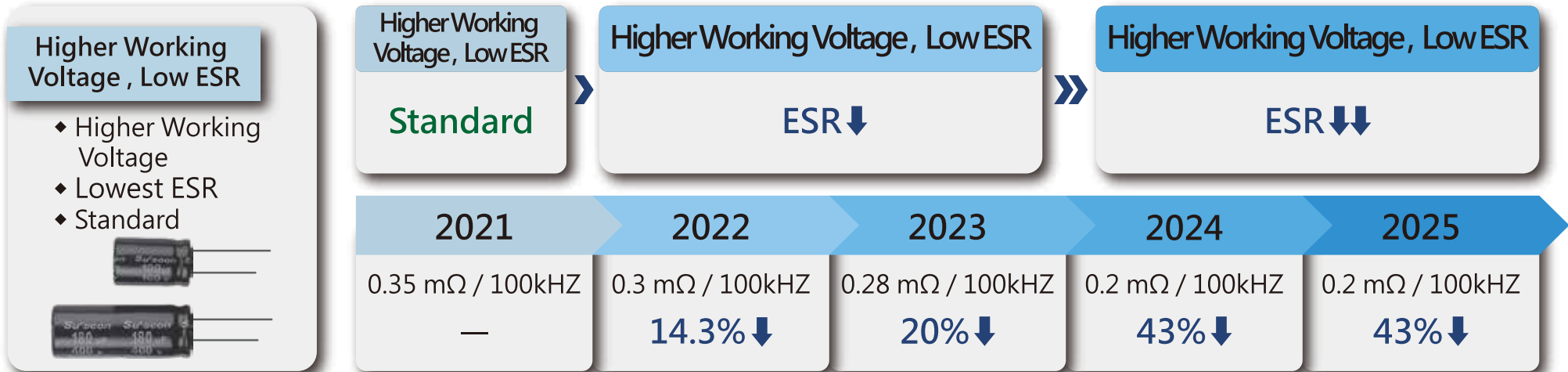


※ For information about axial type products, please contact with sales.

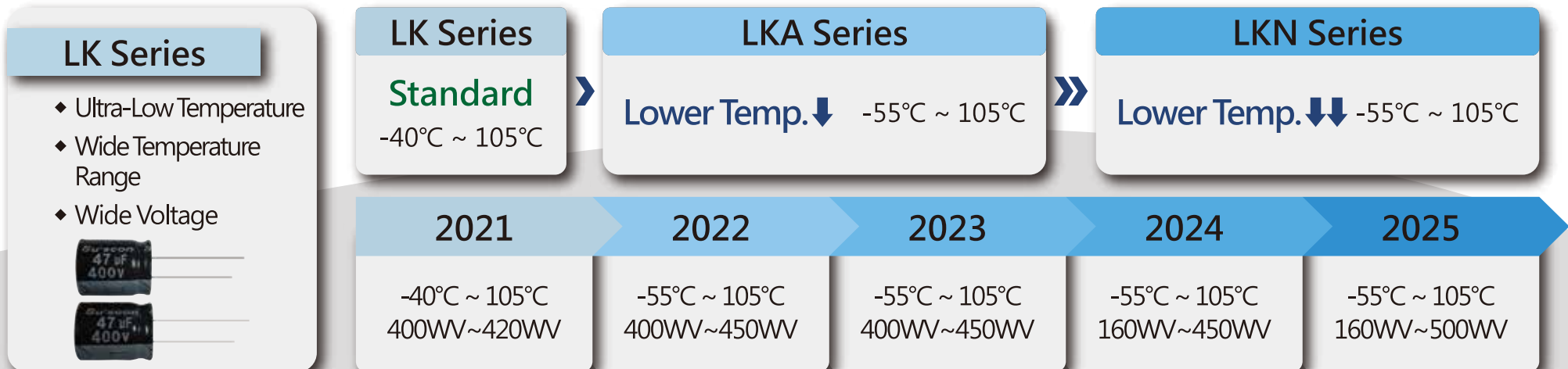
Aluminum Electrolytic Capacitors

Radial Type : Higher Working Voltage, Lowest ESR Product

Ex : SD Series (150 μ F/400V, 18x35 mm)

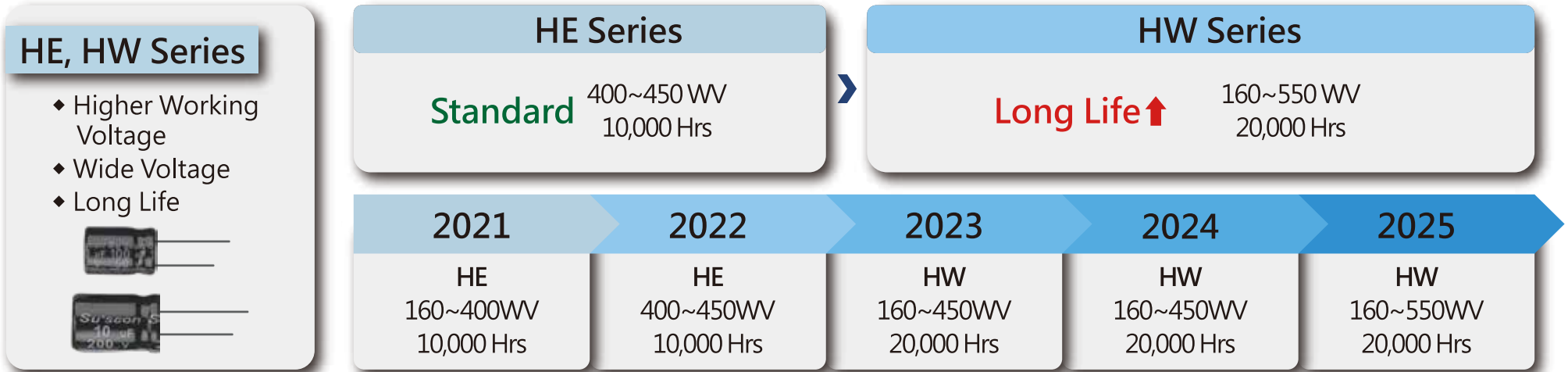


Radial Type : Low Temperature Product

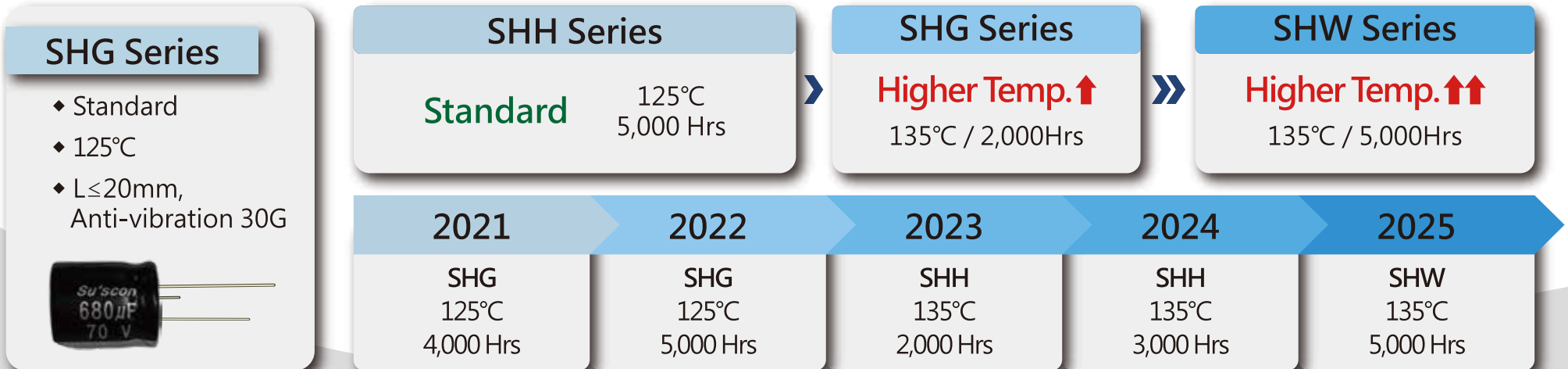


Aluminum Electrolytic Capacitors

Radial Type : Long Life Product

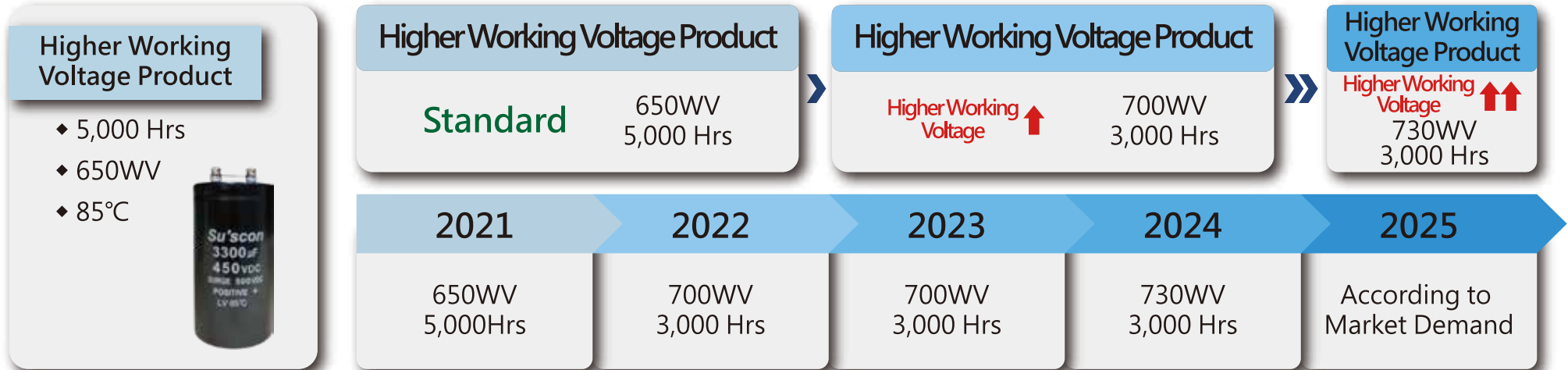


Radial Type : High Temperature Product of Automotive Electronics (ECU/TCU)

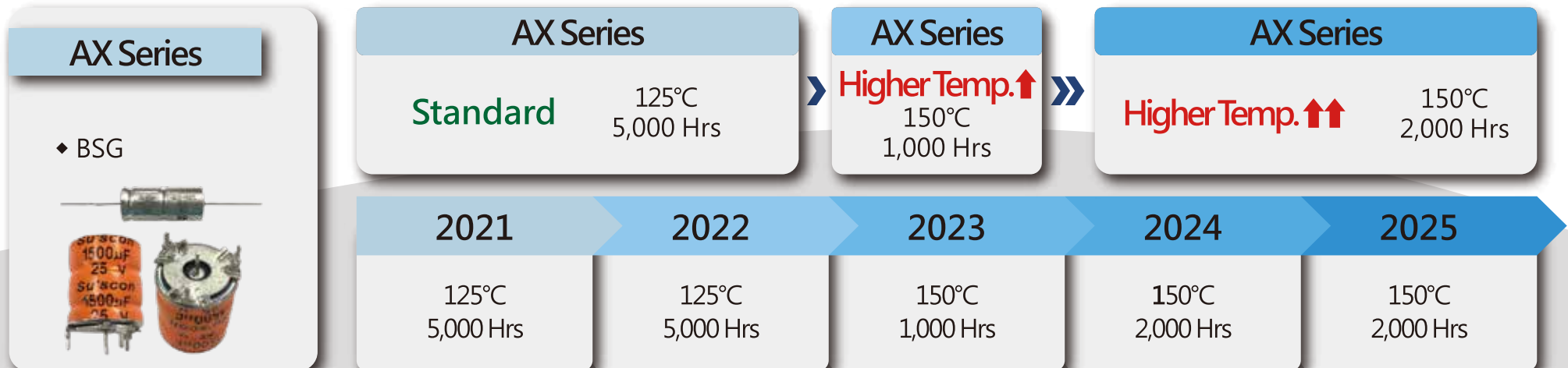


Aluminum Electrolytic Capacitors

Screw Type : Higher Working Voltage Product



Axial Type : High Temperature Product of Automotive Electronics (BSG/ISG)



※ For information about axial type products, please contact with sales.

Major Clients

wistron

LG Innotek

LG
Life's Good

PHILIPS
sense and simplicity

FUNAI

LITEON

Panasonic

SHARP

ONKYO

YAMAHA

technicolor

ARRIS

JABIL

Honeywell

ARTESYN
Embedded Power | An Advanced Energy Company

SAMSUNG

TAYIH
TA YIH INDUSTRIAL CO.,LTD.

SOLUM

JUNIPER
NETWORKS

MICROTEK

TAMURA

LUMINOUS
Enjoy Technology

CIG

coway

maxell

ASKEY

Celestica

MitraStar

CyberTAN

arcadyan

KYOCERA

WNC
Wistron NeWeb Corp

PHIHONG

POWER NET

muRata
INNOVATOR IN ELECTRONICS

RICOH

SALOM

LINKPOWER
Absorption Innovator

POLYTRON

ALPHA Networks

TECO

CyberPower

Schneider
Electric

PEGATRON

D-Link
Building Networks for People

Hisense

TOA

xiaomi

INVENTRONICS
DRIVING THE LIGHTING REVOLUTION

TPV | 冠捷科技
VISION INNOVATOR 用心專注 領航視界

Y2 SOLUTION

聯昌電子企業
LIEN CHANG

Su-Kam
powered by innovation

冠捷科技股份有限公司
Liangyh-Tech Industrial Co., Ltd.

AmTRAN
Seeing Better World

Chicony

ANAM

Satel

ACTIA

HITACHI

Major Clients



欧陆通
HONOTO



AcBel



DVE



KENWOOD
MapFan Club



INNO LUX
群創光電



HE
Human & Electronics



Accton
智邦科技



YUYANG



MINTH



Ktec®
Intelligent Power



APC®
by Schneider Electric



COMPAL
仁寶電腦



BAN
DAI



APD



SOUND
UNITED




Co-Cong Electronics & Communication



CleanPower | Electric Systems
电气系统

Major Clients (Automotive Electronics)



台達
DELTA



FOXCONN®



LG Electronics



• APTIV •



Pioneer



PATAC



WHETRON



UAES



UNICK



JOHNSON
ELECTRIC



interface



YESSUN
Enjoy Your Drive



SHINRY 欣锐科技



PADMINI VNA
MECHATRONICS PVT. LTD.



联友科技
LAN-YOU TECHNOLOGY



Linkcom®
凌康科技



車王電子



EAST® 易事特



Enpower 英博尔



DEPO®



kyungshin



MOBASE



DYAUTO



DOMETIC



flex®



TEGSTAR



DUCKIL
DUCKIL INDUSTRY CO., LTD.



MAGNETI
MARELLI



Zong Mu



铁将军
STEEL MATE



电驱动
EORIVE



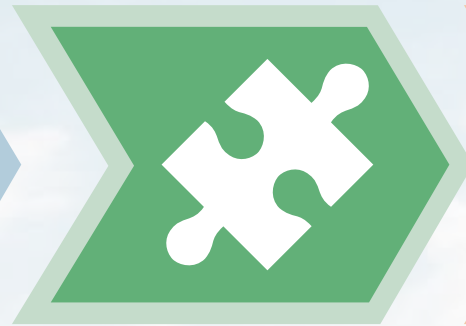
有声汽
HYPER STEAM

Our 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.

Contact Us



Head Office
KUAN KUN ELECTRONIC ENTERPRISE CO., LTD.
冠坤電子企業股份有限公司
5F-3, NO.2 JIAN 8TH RD., ZHONGHE DIST.,
NEW TAIPEI CITY 23511, TAIWAN
台灣新北市23511中和區建八路2號5樓之3
TEL: +886-2-8226-9699
FAX: +886-2-8226-9670
E-MAIL: sales@su-scon.com.tw



Branch Office
KUAN SHIN INVESTMENTS CO., LTD.
冠碩投資股份有限公司
FLAT 5, 22/F APEC PLAZA, 49 HOL YUEN ROAD,
KWUN TONG, KOWLOON, HONG KONG
香港九龍觀塘開源道49號創貿廣場22樓5室
TEL: +852-2385-7603
FAX: +852-2385-8725



Branch Office & Factory
DONG GUAN KUAN KUN ELECTRONIC CO., LTD.
東莞冠坤電子有限公司
YIN HE INDUSTRIAL ZONE, QING XI TOWN,
DONG GUAN CITY, GUANG DONG 523648, CHINA
廣東省523648東莞市清溪鎮銀河工業區銀瓶路41號
TEL: +86-769-8731-8000
FAX: +86-769-8731-8008
E-MAIL: sales@su-scon.com.tw

DONG GUAN KUAN YI ELECTRONIC CO., LTD.
東莞冠宜電子有限公司
YIN HE INDUSTRIAL ZONE, QING XI TOWN,
DONG GUAN CITY, GUANG DONG 523648, CHINA
廣東省523648東莞市清溪鎮銀河工業區銀瓶路41號
TEL: +86-769-3901-9168
FAX: +86-769-3901-9167



Branch Office
DONG GUAN KUAN YI ELECTRONIC CO., LTD SUZHOU BRANCH
東莞冠宜電子有限公司蘇州分公司
ROOM 2-1008, ZIJIN ORIENTAL PLAZA, NO.288,
QIYUE STREET, INDUSTRIAL PARK, SUZHOU
蘇州工業園區啟月街288號紫金東方廣場1商幢2-1008室
TEL: +86-512-6285-7850
FAX: +86-521-6285-7856

Su'scon

Innovation ♦ Integrity ♦ Efficiency



www.su-scon.com