

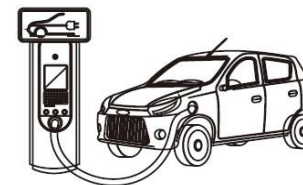
Su'scon

KUAN KUN ELECTRONIC ENTERPRISE CO., LTD.

Company & Product Introduction



CAMEL GECO
CAMEL GECO ELETTRONICA S.r.l.



Company Introduction

- Founder Mr. Johnson Su
- Established in 1978
- HQ located in Taipei
- Capital: 25 million US\$
- Trading mark: Su'scon
- Factory 1: Dongguan, China
- Area : 56,000 m²
- Factory 2: Guizhou
- Area : 22,000 m²
- Product: Electrolytic Capacitors
- Monthly Capacity : 420 Mpcs
- Employees: 1300
- New operation: Thailand or Vietnam in near future



Our History



Product Introduction

Hybrid

SMD



Radial



Polymer

SMD



Radial

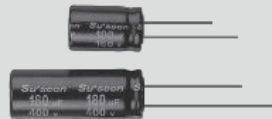


Aluminum Electrolytic Capacitor

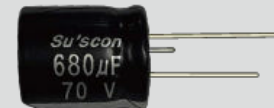
SMD



Radial



Radial
(3 pins, for TCU & ECU)



Screw



Axial



LUG Terminal

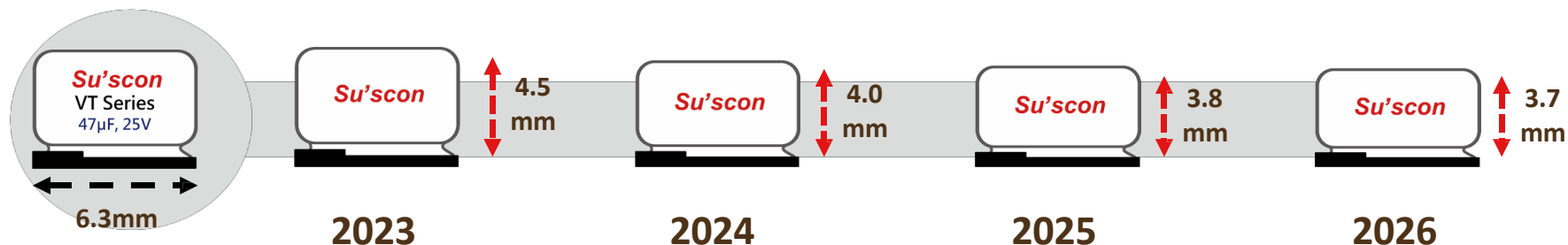


Snap-in

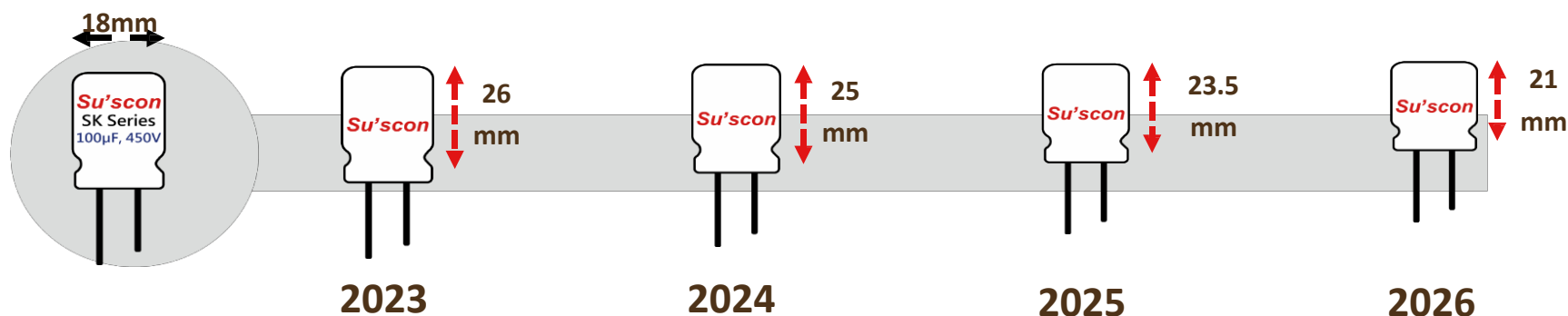


Road Map- Trends To Be Miniaturized

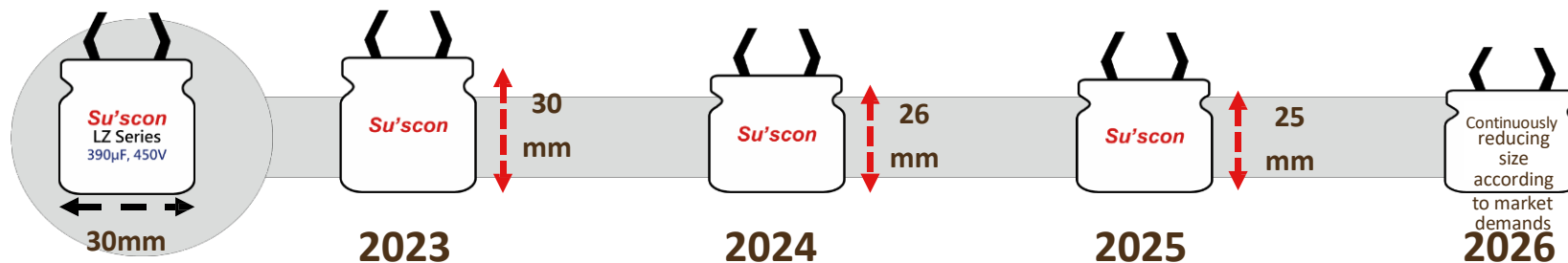
Polymer Capacitors - SMD Type



Aluminum Electrolytic Capacitors - Radial Type



Aluminum Electrolytic Capacitors - Snap-in Type



Vchip、Polymer & Hybrid Product Range



SMD Aluminum Electrolytic Capacitors

IPC, LED TV, CCD camera, Rectifier, Alarm, Smart Meter, Control System

100Mpcs/month

- Rated Voltage : 4V ~ 450V
- Temperature Range : -55°C ~ +135 °C
- Capacitance Range : 0.47uF ~ 4700uF
- Size Range : 4×5.4 ~ 18×16.5 (mm)
- Load Life : 1,000hrs ~ 10,000hrs



Conductive Polymer Aluminum Solid Capacitor

PC, Servers, Graphics card, IPC, Meter, Power Supply, Desktop, Rectifier, Mother Board, Adopter Display

40 Mpcs/month

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



Conductive Polymer Hybrid Aluminum Electrolytic Capacitors

Automotive, EV, Servers, Medical equipment

25 Mpcs/month

- Rated Voltage : 16V ~ 125V
- Temperature Range : -55°C ~ +150 °C
- Capacitance Range : 10uF ~ 560uF
- Size Range : 6.3×6.0 ~ 10×12 (mm)
- Radial & V-chip
- Load Life : 1,000hrs ~ 10,000hrs



Aluminum Electrolytic Cap. Product Range



Radial Type

Slim type for ultra-thin LED TV/LCD Monitor, Telecom LED light power, Switching power supply, Ballast...EVC、OBC

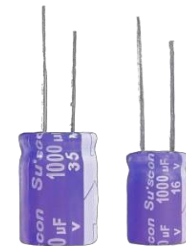
- Rated Voltage : 4V ~ 550V
- Temperature Range : -55°C ~ +135 °C
- Capacitance Range : 0.47uF ~ 47,000uF
- Size Range : 4x5 ~ 25x60 (mm)
- Load Life : 1,000hrs ~ 20,000hrs
- 230Mpcs/Month(incl. Anhydrous)



Anhydrous

Power supply, Telecom base station, return-circuit switching power supplier , OBC

- Rated Voltage : 6.3 V ~ 450V
- Temperature Range : -55°C ~ +105 °C
- Capacitance Range : 0.47uF ~ 18,000uF
- Size Range : 5 x 11 ~ 18x40 (mm)
- Load Life : 2,000hrs ~ 10,000hrs
- Series: SDN, HFN, SGN, HGN, SEN



Snap-in

Power supply, Inverter, Industrial, Audio, White Goods, OBC, EVC

- Rated Voltage : 10V ~ 650V
- Life: 2,000 hrs~10,000 hrs
- Temperature Range : -40°C ~ +105 °C
- Capacitance Range : 33uF ~ 68,000uF
- Size Range : 20x20 ~ 50x105 (mm)
- 6Mpcs/month



Lug Terminal:

- Rated Voltage: -40°C ~ +105 °C
- Life: 2000hrs
- Size: 25x25~51x105
- Series: LM, LG



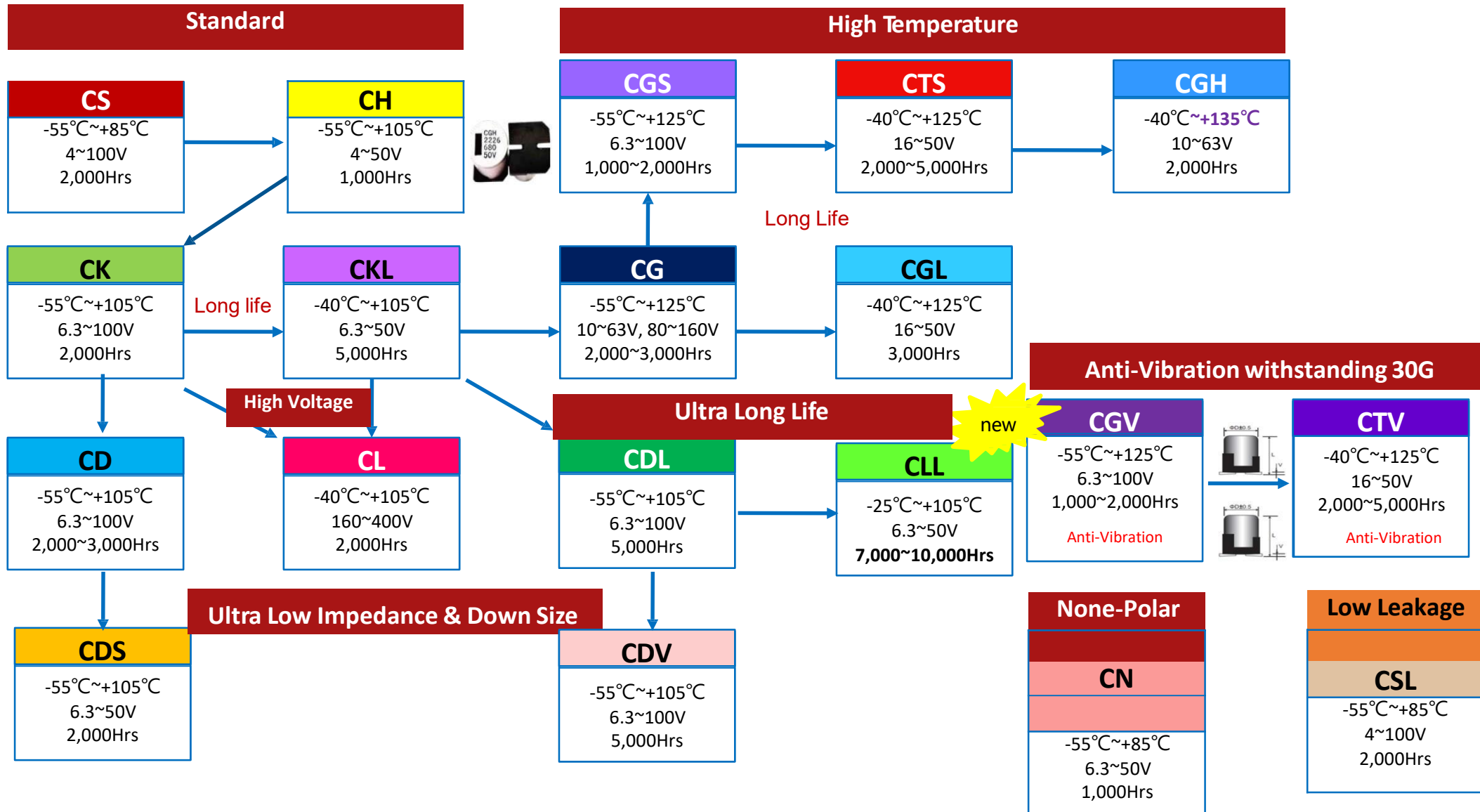
Screw Terminal

Telecom, UPS, Server, Power inverter, Wind Mill、Generator

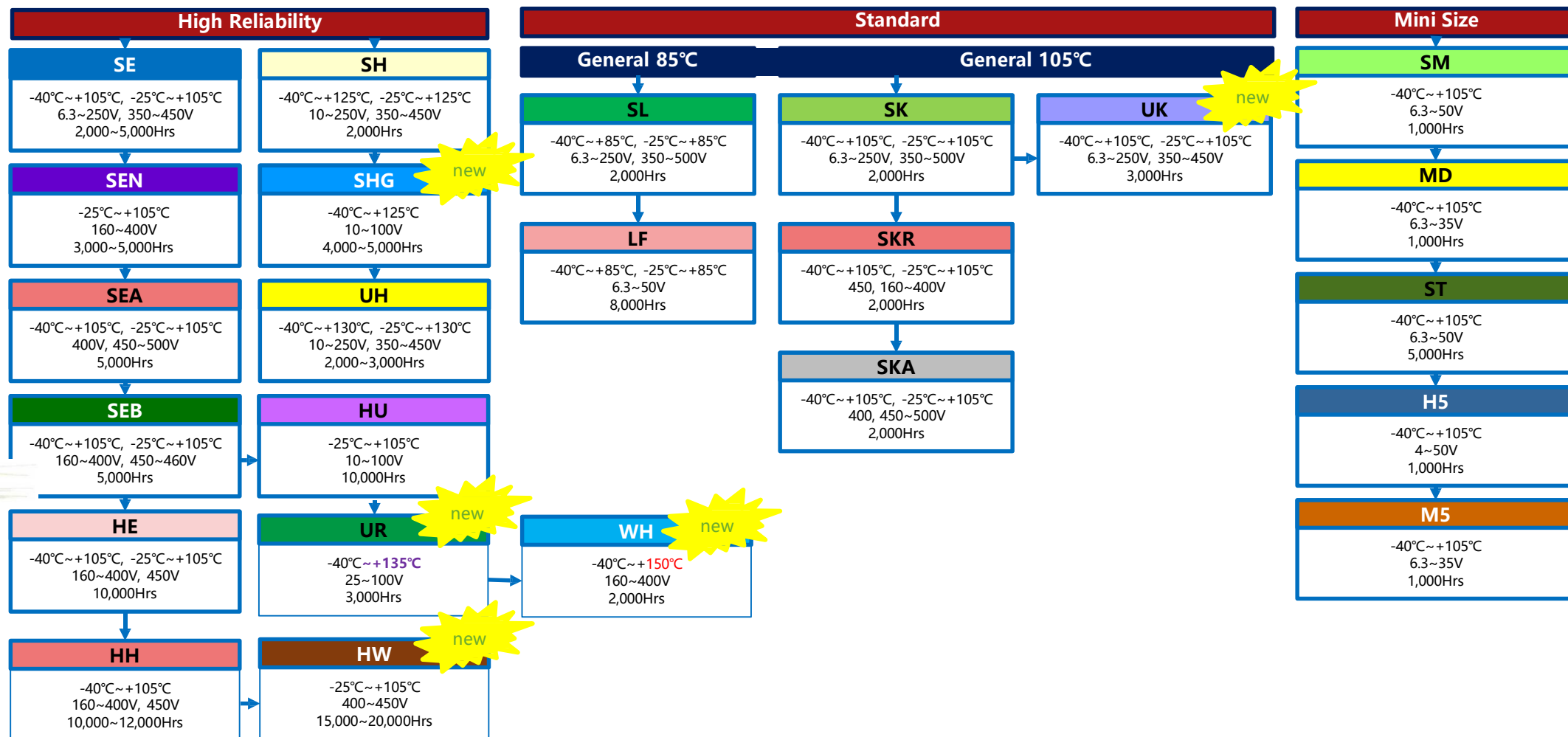
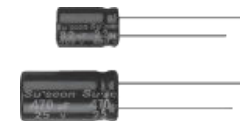
- Rated Voltage : 10V ~ 650V
- Temperature Range : -40°C ~ +105 °C
- Capacitance Range : 220uF ~ 1,000,000uF
- Size Range : 35x80 ~ 100x250 (mm)
- Load Life : 2,000hrs ~ 10,000hrs



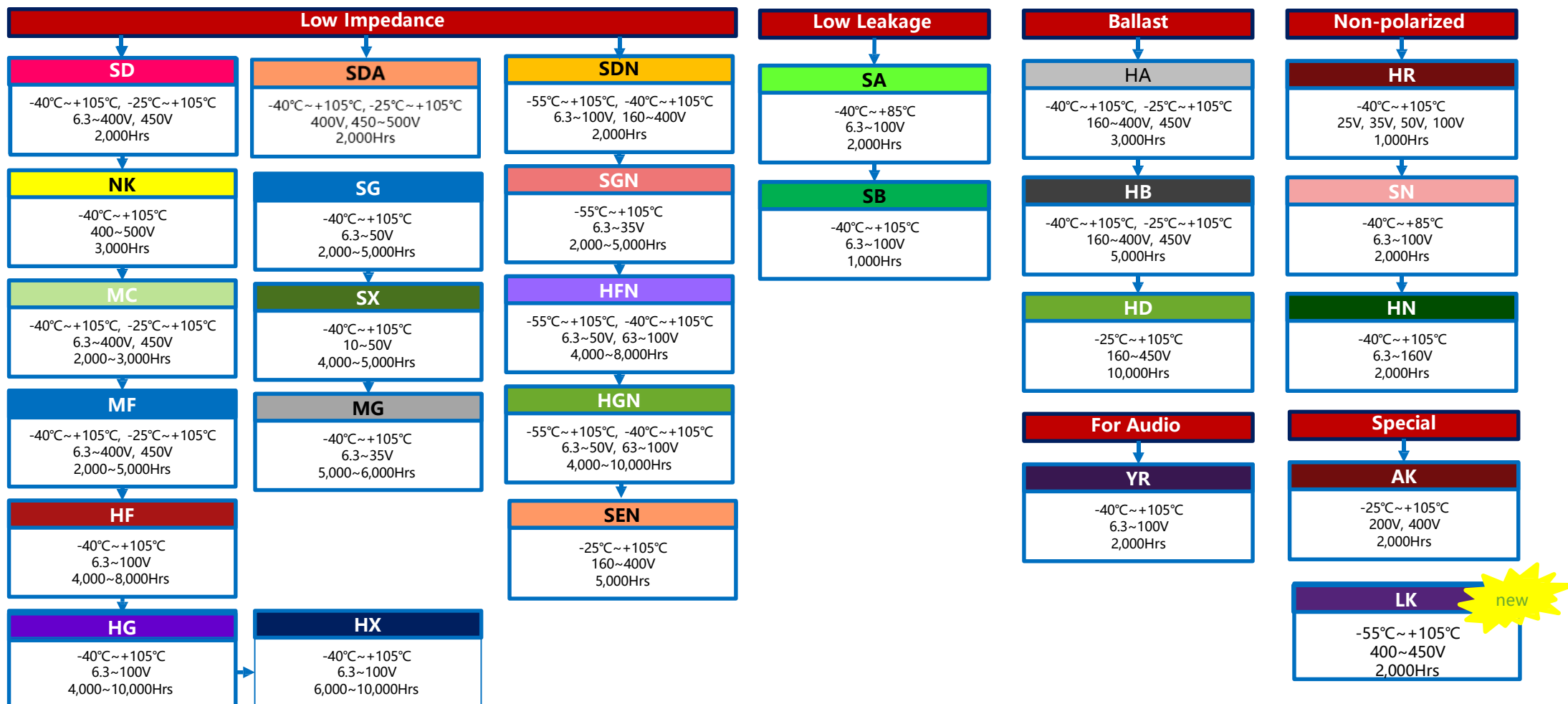
SMD- Aluminum Electrolytic Capacitors



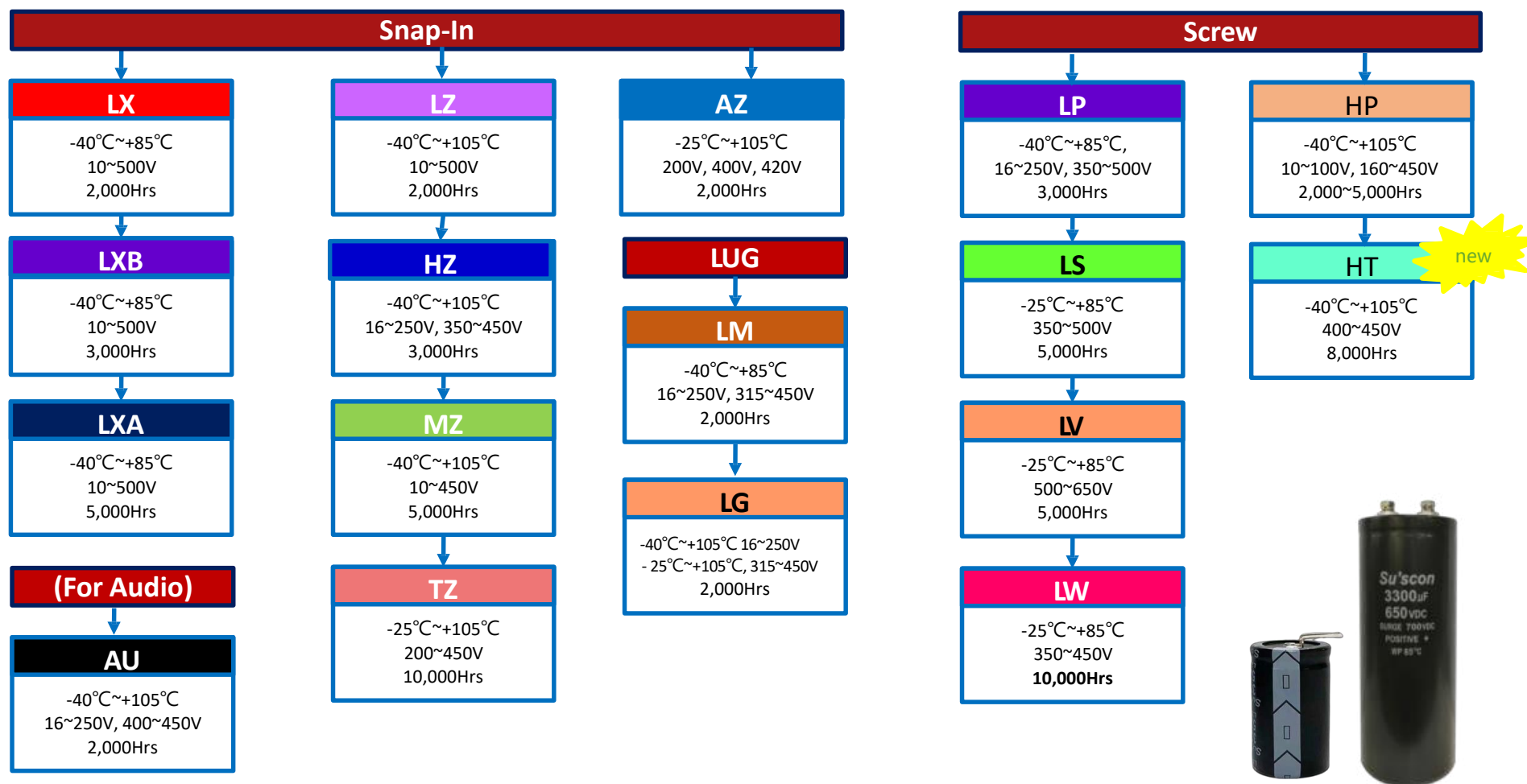
Radial-Aluminum Electrolytic Cap.



Radial-Aluminum Electrolytic Cap.

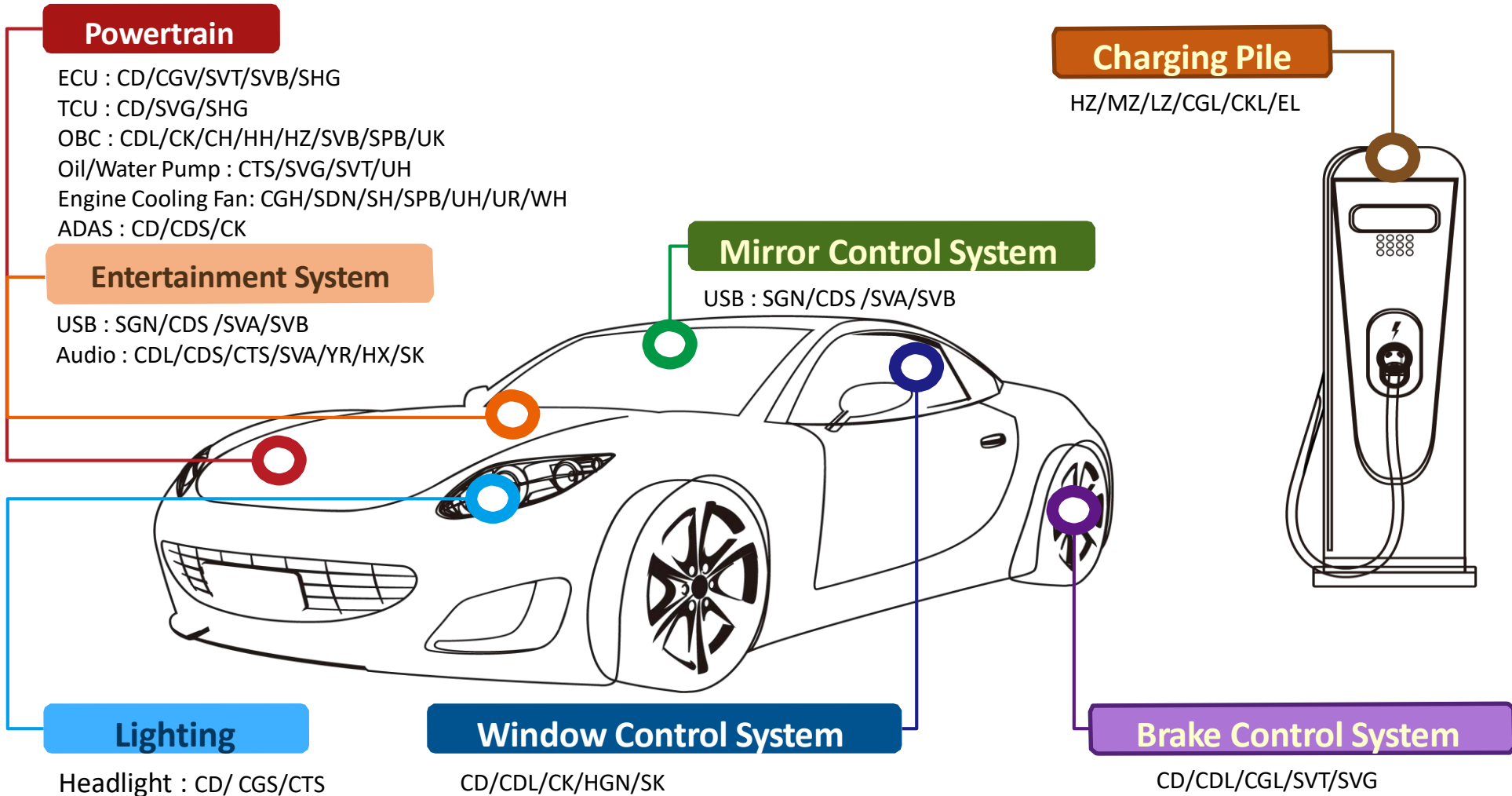


Snap-in, Lug & Screw E-Capacitors



Automotive Applications

In EV applications for Su'scon products are divided into 7 categories



TCU & ECU Control System

- ◆ Engine management systems, Transmission control systems((變速器控制), Body Comfort system & Electric Drive Control systems(電子控制) incl. Brake control system

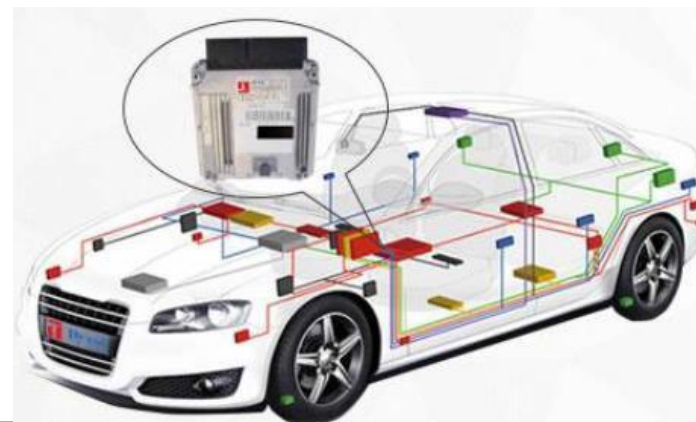
Su'scon PN	Description
SVT025M561GGBPC43V00A	Hybrid Polymer SMD ESR:8mΩ/100KHz, 135°C 2000H, RC:5.8A (125°C 4000H)
SVG035M101FABPC43V00A	Hybrid Polymer Anti-Vibration SMD 35V 100uF 8x10.5 125°C 4000hrs
SVB025M561GABPC43V00A	Hybrid Polymer SMD 560UF25V,10*16.5 125°C 4000hrs
SVB035M331GCBPC43V00A	Hybrid Polymer SMD 330uF 35V ESR:14mΩ/100KHz RC:2800mA
SHG070Q681K20TC43C36A	SHG 680uF 70V,IMP:0.1Ω, RC:1900mA,5000Hrs 3 pins lead cut 3.6±0.5mm
SHG035Q471X20TC43C36A	SHG 470uF 35V,IMP:0.055Ω ,RC:1830mA,5000Hrs 3pins pins lead cut 3.6±0.5mm
CDV035M102JGBPD56A	CDL 1000UF35V,16*16.5 Anti-Vibration 125°C 2000H
CDS025M331E7DPD17V00A	CDS 330UF25V 105C 3000hrs ,6.3*7.7
CGL035M681X16PC43A	CGL 680uF35V ESR:36mΩ/100KHz,RC:1255mA/100KHz(125°C)



• APTIV •

UAES

JOHNSON
ELECTRIC



AC & DC Charging System for EV

◆ BMW & Volvo Engaged in **charging** management systems

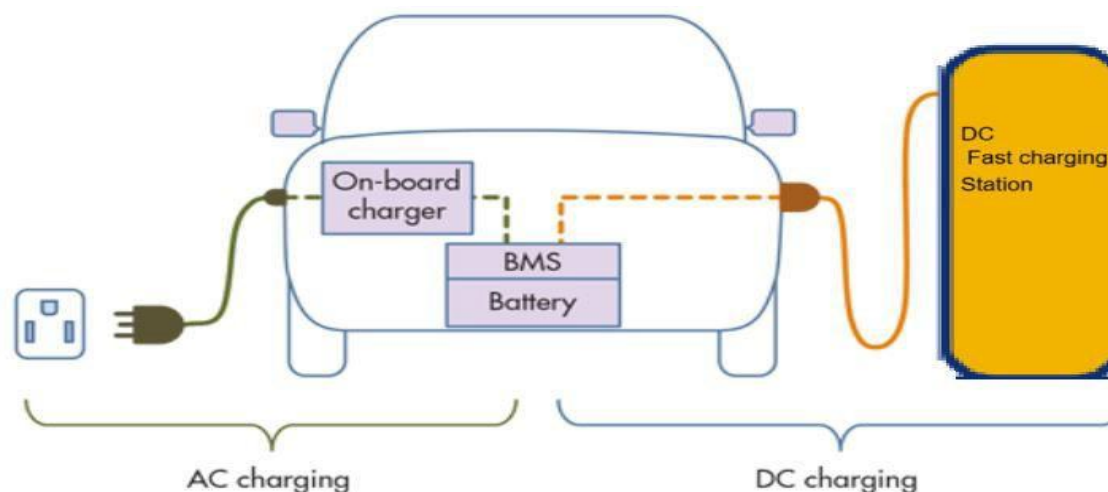
Su'scon PN	Description
SVB035M470E06CB08V00A	Hybrid Polymer SMD ESR:100mΩ/100KHz, 125°C 4000H, RC:760mA
CDS035M101E06P282V00A	SMD 35V 100uF 6.3x 6 ESR: 0.3Ω/100KHz RC:300mA
HH450M151K37TB08J47A	HH 150UF450V,18*37 105°C 12000H RC:920mA J47A
HH450M111K32TB08J32A	HH110uF 450V 18x32 105°C 12000H RC:800mA ESR:0.8Ω/100KHz
HZ500M391O500F77YS0A	HZ Snap-in 390uF 500V, -40C~105C 3000hrs ,Side Vent
HZ450K481O450C43PCUA	480uF 450V 30x45mm,Side Vent,-40~+105°C 3000hrs,CX≥470uF
HZ450M561O500C43PCUA	560uF 450V 30x 53mm, -40~+105°C, RC:2.3A /120Hz, Side Vent



UAES



SHINRY 欣锐科技



Audio/Router System

Su'scon



Su'scon MPN:	Description
MF400M101K35TC49P75R	GP,100 M,400V, 18x37.5 -25~+105C
MF063M182K40TC49S00R	GP,1800,M,63V 18x41 -40~+105C
MF063M122J35TC49P75R	GP,1200,M,63V, 16x35 40~+105C
MF063M151G16PC49P50R	GP,150,M,63V,10x18,-25~+105C
HE450M560G60PKKKS00L	HE 56uF 450V 10x60 -25C~105C 10000hrs
HE450M470G50PKKKS00L	HE 47uF 450V 10x50 25~+105C 10000hrs
SE450M121K32TC49S00R	GP,120,M,450V,18x31.5 -25~+105C
SE400M151J40TC49S00R	GP,150,M,400V 16x40,-40~+105C
SE400M151K32TC49P75R	HF,150,M,400V 18x31.5,-40~+105C
SE400M680J25TC49P75R	GP,68,M,400V,16x26.5,-40~+105C
HZ400M151N250C49YL0R	GP,150,M,400V, 25x25,-25~+105C
HZ450M221N350KKKYS0R	GP, 220 M, 450V, 35x35 -25~+105C
LXB400M331O350KKKYS0R	GP 330 M 400V 30x35 -25~+105C
CDS025M470D06PKKKV00R	SMD,47,M,25V 5,x5.5,-55~+105C

Audio Global Market Forecast



MARKET STATISTICS

Market Value (2023)
\$33.4 BN
Market Value (2032)
\$53.8 BN
CAGR (2024-2032)
5.5%



SEGMENT STATISTICS

Personal audio segment
Market Size (2032): **\$30.7 BN**
Wireless segment
Market Share (2023): **61%**



REGIONAL STATISTICS

North America Market Size (2032)
\$14.4 BN

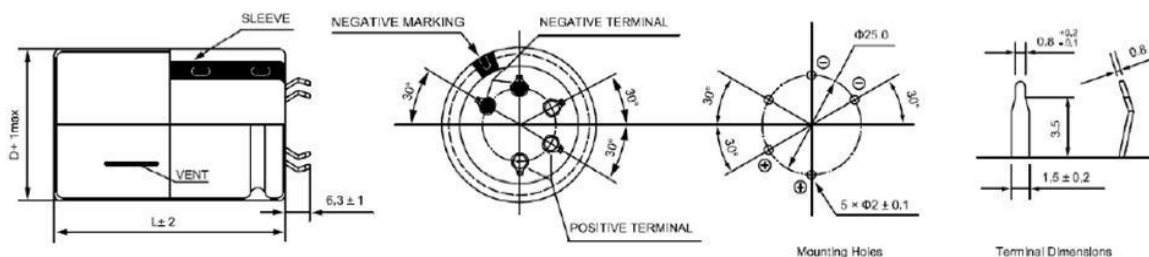


PV Inverter – E-Cap Side Vent

High Voltage & High Ripple current & Long life

➤ **MZA 2000uF/500V life: 7000hrs & useful life:9000hrs**

Series	Cap/Volt	Size (mm)	Q'ty (kpc)	Pins	RC @120Hz	Specification
MZA	2000/500	50*105	200	5	5.85A	(1)105C 7000hrs, Side explosion-proof, PE thickened casing length: 65mm (2)Useful life: 9000hrs @105°C (3) Temp -40 +105C



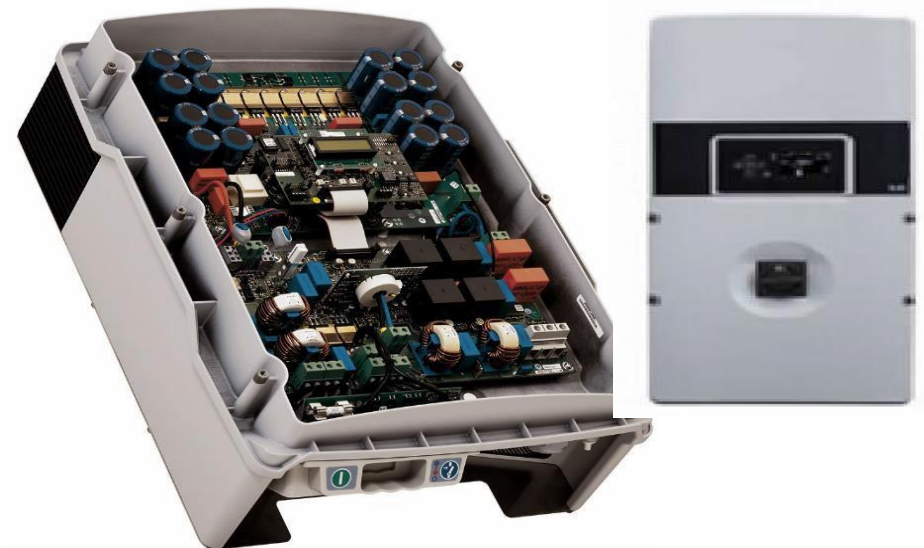
	Electrolytic Capacitors										
	MZA Series										
Su'scon	Cap.	Cap.	Rate	Surge	Oper.	Nominal	Leakage	D.F.	Max.Ripple	Load	Useful
P/N	(uF)	Tol.	Volt.	Volt.	Temp.	Case Size	Current	Max	Current	Life	Life
		(%)	(V-DC)	(V-DC)	(℃)	D*L(mm)	Max(uA)	(%)	(A)	(Hours)	(Hours)
MZA500M2024A50F11U00R	2000	±20	500	550	105	50*105	3000	21	5.85	7000	9000



PV Inverter

High Voltage 、 High Ripple current & Long life with Impedance

- **Snap-in 105C -40/+105°C 5000hrs**
MZ Series from 315V ~550V
Capacitance: 470uF~ 3300uF
Temperature: -40 °C ~105°C
ex: **Katek 、 Solarkol、 Tescom、 SolarEdge**
MZ 500V 1000uF 40x80
MZ 400V 1000uF 35x60
MZ 550V 680uF 40x75
MZ 315V 2300uF 40x80



Longer Life & High Ripple big size Snap-in

TZ 500V 1000uF -40/+105°C 45*105 withstanding 9000hrs

RC:5.52A/120HZ ESR:0.23Ω/120HZ



UPS Inverter

High Voltage & High Ripple current & Long life
Snap-in 105C 3000hrs ~ 5000hrs

HZ & MZ Series from 400V ~550V

Capacitance: 470uF~ 3300uF

HZ 450V 470uF 35*45

HZ 500V 470uF 35x55

HZ 450V 680uF 35*50



Screw 105C 2000hrs ~10.000hrs HP . HT

LP 、HP & HT series from 400V~650V

application: HAVC Power Control UPS (Siemens) , Semiconductor plant's UPS
Power Control System

Capacitance: 1000uF~15000uF

LP 450V 4700uF 76*130

HP 450V 2200uF 64*130

HP 450V 3300uF 76*130

HANSEN



EAST 易事特

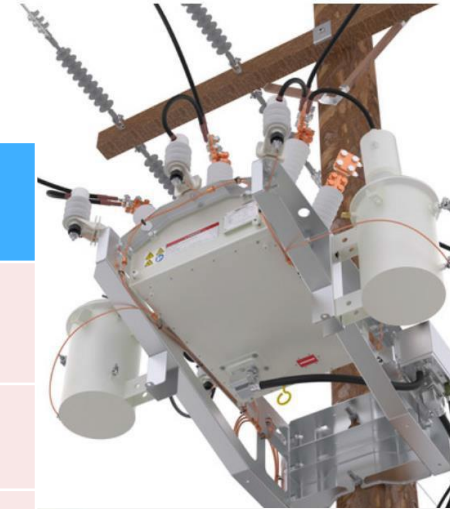


Electricity Distribution System

15kV and 27kV Medium Voltage (MV)

Snap-in 85C~105C 2000hrs ~ 5000hrs

Corrected Suscon PN:	Description	Temp.range
LX400K331P250656YL0R	LX 400V330uF35x25 LC: 1089(uA) RC:1.98A Max: 10Ω	-40~+85C
LX450K121N250656YL0R	450V120uF 25x25 LC:697(uA) RC:1.15A	-40~+85C
LX250D122P400656YL0R	LX 1200uF 250V 35*40 2000hrs RC: 4.1A	-40~85C
MZ400D221O300656YL0R	220uF 400V 30*30 5000hrs LC:532(uA) RC: 1.9A ESR:41mΩ	-40~105C
MZ025D682N300656YL0R	MZ 6800uF 25V 25*30 RC: 1.90A ESR: 0.041(Ω) 5000hrs	-40~105C
LXB450D101O200656YL0R	LXB 100uF 450V 30*20 ESR:0.9Ω/100KHz 3000hrs	-40~+85C



Factory Quality & Safety Certification



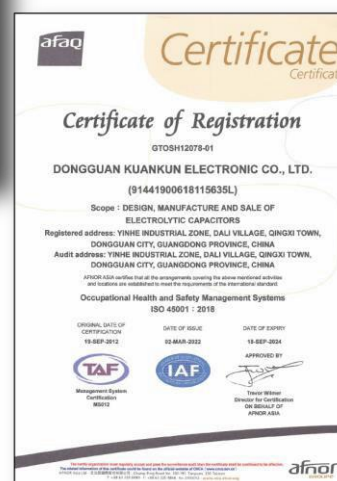
IATF 16949:2016



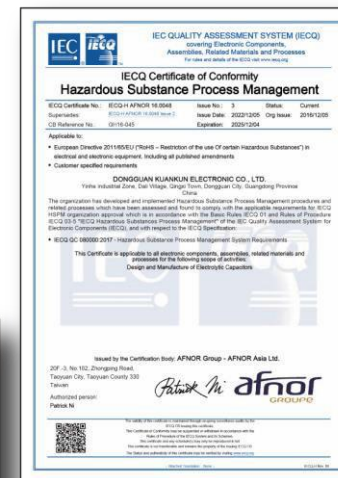
ISO 14001:2015



ISO 9001:2015



ISO 45001:2018



IEC QC
080000:2017



ISO / IEC 17025:2017
(CNAS No: L18429)

Automotive Customers

Su'scon

CAMEL GECO
CAMEL GECO ELETTRONICA S.r.l.

• **APTIV** •

UAES

Visteon



DOMETIC



wistron



Linkcom
凌康科技



YESSUN
Enjoy Your Drive

FOXCONN

JABIL



Minebea
AccessSolutions

Pioneer



EAST 易事特



PATAC



maxell



UNICK



LS Automotive

HYUNDAI MOBIS

DYAUTO



Serving Global Customers

Global EMS



Global Distributor



Europe & USA



Asia



Serving Global Customers

TELECOM



APPLIANCE



POWER SUPPLY



Great China EMS & Customers



Thank You

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