Sunlord
expert in e components

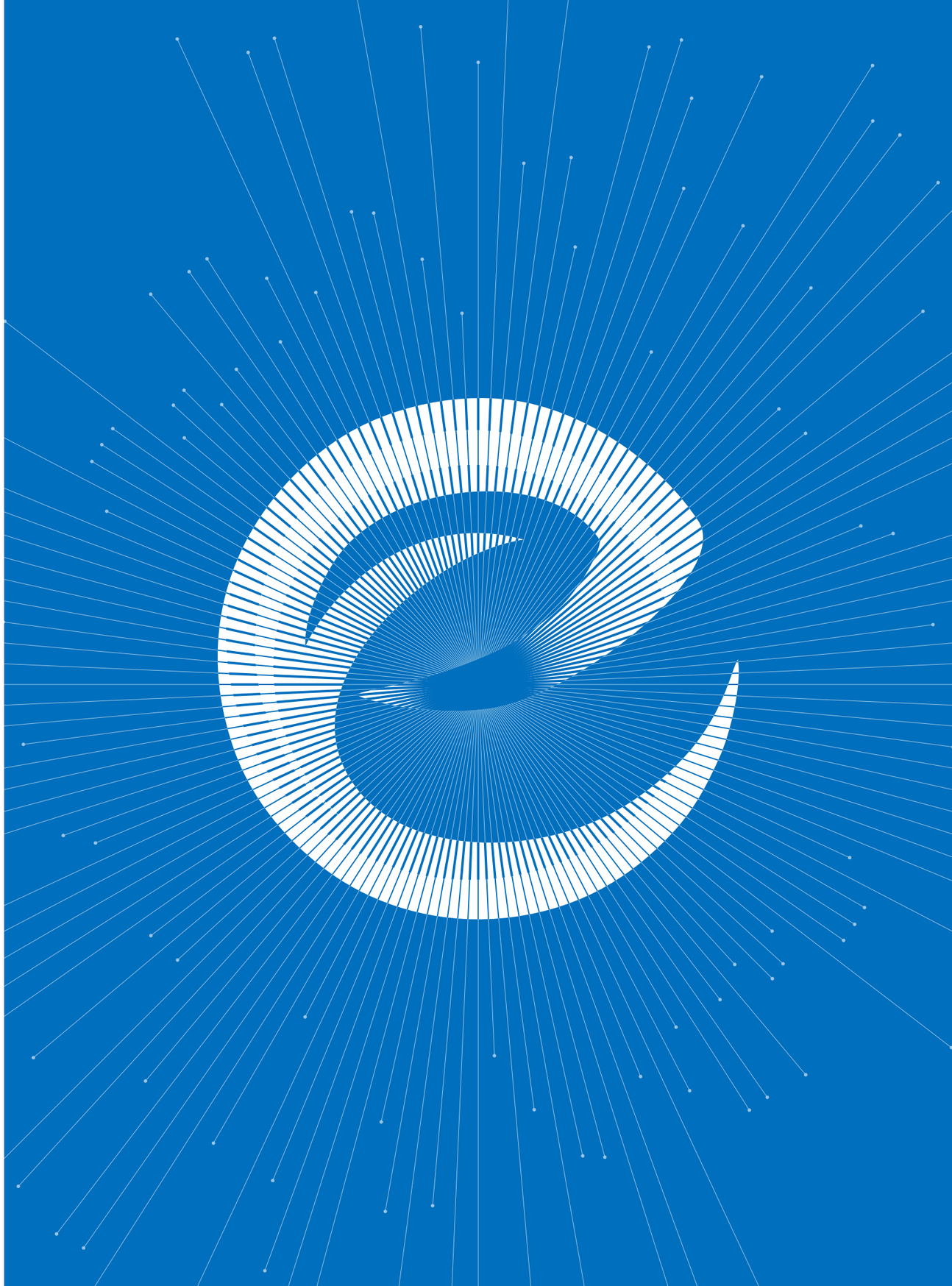
顺络电子
COMPANY PROFILE

深圳顺络电子股份有限公司
Shenzhen Sunlord Electronics Co., Ltd.

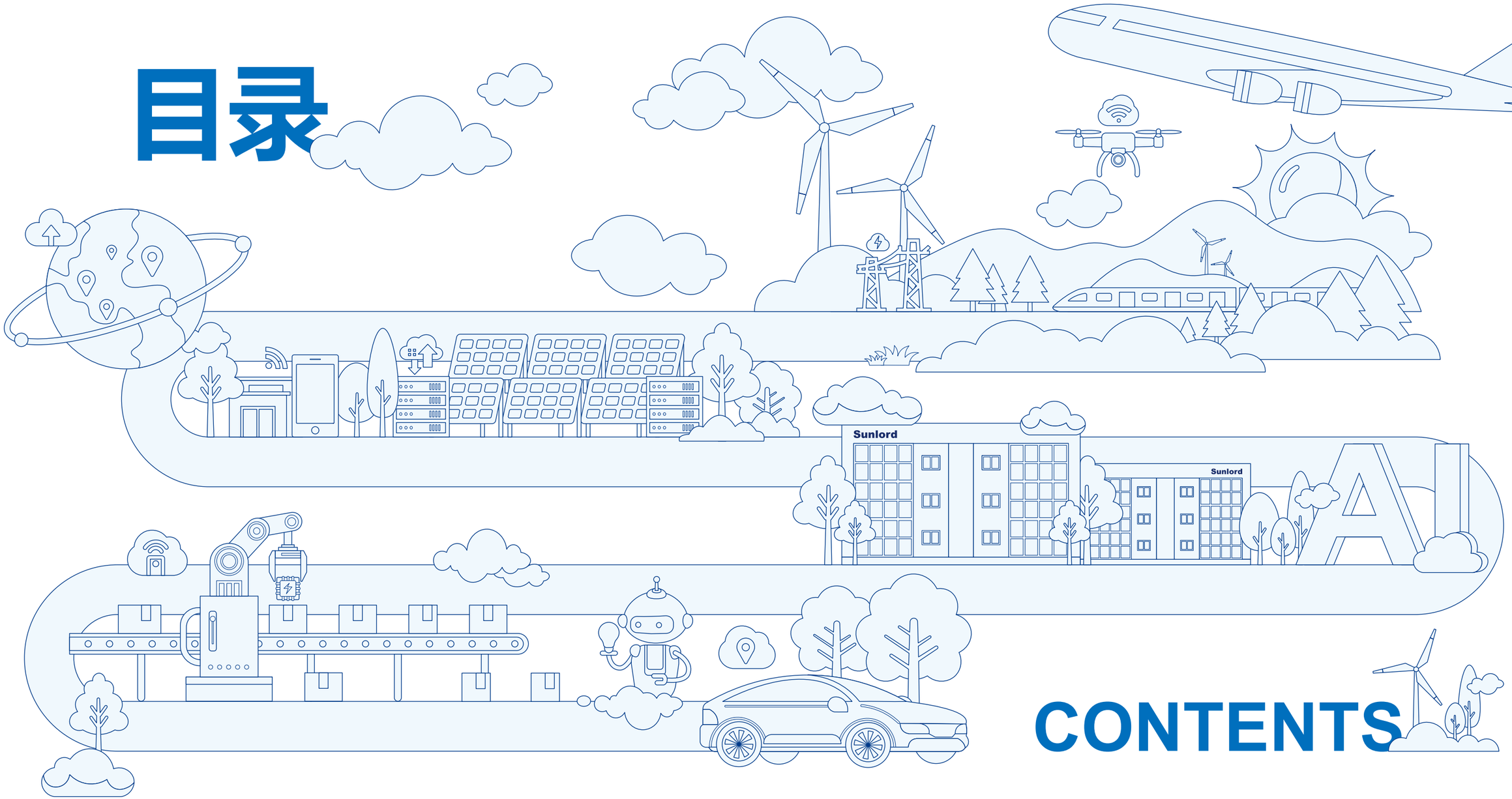
深圳顺络电子股份有限公司
Shenzhen Sunlord Electronics Co., Ltd.
中国深圳市龙华区观光路观澜大富苑顺络工业园
Sunlord Industrial Park, Dafuyuan, Guanlan, Guanguang Road, Longhua District, Shenzhen, China
Tel: 86-755-2983 2333 \ 2516 \ 2526 \ 2536
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Sunlord
expert in e components



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集团简介
GROUP PROFILE

深圳顺络电子股份有限公司成立于 2000 年，于 2007 年上市（股票代码：002138），是一家专注于各类电子元器件研发、生产和销售的高新技术企业。我们的产品涵盖磁性器件、微波器件、敏感与传感器件、精密陶瓷四大产业，被广泛应用于消费电子、通讯设备、汽车电子、工业控制、机器人、新能源、智能电网及数据中心等领域。

我们秉承“遵循标准、科技创新、持续改进，向全球客户提供优质产品和完善服务”的经营理念。凭借完善的管理体系、雄厚的开发实力、优质的产品质量和完善的服务，顺络已成为众多国内外知名企业的电子元器件供应商。

Shenzhen Sunlord Electronics Co., Ltd., founded in 2000 and publicly listed in 2007 (Stock Code: 002138), is a high-tech enterprise dedicated to the R&D, manufacturing, and sales of diversified electronic components. Our product portfolio spans four core industries: Magnetic Devices, Microwave Devices, Sensitive & Sensor Devices, and Precision Ceramics. These solutions are applied across multiple fields including Consumer Electronics, Communication Equipment, Automotive Electronics, Industrial Control, Robotics, New Energy, Smart Grid, and Data Centers.

We adhere to the business philosophy of "following standards, technological innovation, continuous improvement, and providing high-quality products and complete services to global customers". With its sound management system, strong development capability, high quality product quality, and comprehensive service, Sunlord has become a supplier of electronic components for many well-known domestic and international enterprises.



深圳顺络电子股份有限公司(总部)
Shenzhen Sunlord Electronics Co., Ltd.

顺络集团分公司和基地
BRANCHES AND PRODUCTION BASES OF SUNLORD GROUP



顺络电子研究所
Research Institute of Sunlord



东莞顺络电子有限公司
Dongguan Sunlord Electronics Co., Ltd.



东莞信柏结构陶瓷股份有限公司
Dongguan Surpass Structure Ceramics Co., Ltd.



顺络电子上海松江研发及智能制造基地
SunlordElectronicsShanghai Songjiang R&D and Intelligent Manufacturing Base Co., Ltd.



湘潭顺络电子有限公司
Xiangtan Sunlord Electronics Co., Ltd.



衢州顺络电路板有限公司
Quzhou Sunlord Electronics Co., Ltd.



贵阳顺络迅达电子有限公司
Guiyang Sunlord Xunda Electronics Co., Ltd.



江苏顺络富钧新能源有限公司
Jiangsu Sunlord Fujun New Energy Co., Ltd.



越南顺络电子有限公司
Sunlord Electronics Vietnam Co., Ltd.

企业核心发展理念
Core concept on development

- 为客户创造价值，为员工提供机会
  Create value for customers, provide opportunities for employees
- 为股东增加财富，为社会承担责任
  Increase wealth for shareholders, take responsibility for society

质量方针
Quality Policy

- 遵循标准，科技创新，持续改进
  Compliance with standards, technological innovation, Continual improvement
- 向全球客户提供优质产品和完善服务
  Provide high-quality products and perfect service to global customers

企业文化
CORPORATE CULTURE

核心价值观
Core Values

- 诚信、认真、公正、激情、创新、合作
  Honesty, conscientiousness, impartiality, enthusiasm, innovation, cooperation

愿景
Vision

- 成为电子元器件领域专家
  Expert in electronic components

市场网络
MARKETING NETWORK



1 深圳顺络电子（总部）
Shenzhen Sunlord Electronics (Headquarters)

2 贵阳顺络迅达
Guiyang Sunlord Xunda

3 衢州顺络电路板
Quzhou Sunlord Circuit Board

4 东莞信柏结构陶瓷
Dongguan Xinbai Structural Ceramics

5 江苏顺络富钧新能源
Jiangsu Sunlord Fujun New Energy

6 湖南湘潭顺络
Hunan Xiangtan Sunlord

7 上海松江研发
Shanghai Songjiang R&D

8 东莞顺络电子有限公司
Dongguan Sunlord Electronics Co., Ltd.

9 顺络电子研究所
Research Institute of Sunlord

10 越南顺络电子有限公司
Sunlord Electronics Vietnam Company Limited

发展历程
DEVELOPMENT HISTORY

2000
公司成立
The company was founded in 2000.



2001-2003
通过 ISO9001、ISO14001认证
Passed certification of 1S09001 and 1S014001

通过索尼绿色伙伴认证
Certified by Sony Green Partne

2004-2006
被评为亚太地区高科技高成长500强企业
Awarded Technoloay Fast 500 Asia Pacific by Deloitte

顺络工业园一期落成
Completed first stage construction of Sunlord Industrial Park

2007-2008
在深圳证券交易所上市
Listed on the Shenzhen Stock Exchange

通过 QC080000 认证
QC080000 compliant

并购南方汇通微电子分公司
M&A of Microelectronics Branch of South Huiton Co.,Ltd

收购深圳南玻电子有限公司
Acquisition of Shenzhen Nanbo Electronics Co., Ltd.

2000-2012
通过 TS16949认证
TS16949 compliant

通过 EICC、OHSAS18001认证
EICC and OHSAS18001 compliant

顺络LTCC工艺技术平台获得第12届信息产业重要技术发明奖
Sunlord LTCC technology platform won the 12th important technology invention award of information industry

2019
2019通过国家绿色工厂认定、通过制造业单项冠军示范企业复核
Passed the certification of national-level green factory and the review of demonstration enterprise for champion of single product (multilayer inductor) in manufacturing industry

2019年（第32届）中国电子元件百强企业第二十七名
The 27th of China's top 100 electronic components enterprises in 2019 (the 32nd session)

2018
通过广东省新型电子元件与新材料工程技术研究中心认定
Sunlord new type electronics and new materials engineering research center recognized by Guangdong Province

公司中心实验室获中国合格评定国家认可委员会CNAS认证
Sunlord in-house central laboratory certified by CNAS (China National Accreditation Service for conformity assessment

通过汽车行业客户Valeo,Aptiv审核
Approved as qualified supplier for automotive parts by Valeo and Aptiv

2016-2017
荣获工信部评定的中国首批制造业单项冠军示范企业
China's first batch of manufacturing industry champion demonstration enterprises awarded by the Ministry of industry and information Technology of the People's Republic of China

成立汽车电子事业部
Established automotive electronics business unit

2013-2015
顺络工业园二期落成
Completion of Phase Ⅱ of Sunlord industrial Park

被认定为广东省知识产权优势企业
identified as enterprise with advantages in IPRs in Guangdong Province

贵阳工业园落成、东莞工业园落成
Guiyang industrial Park completed, Dongguan industrial Park completed

2020-2021
技术发明奖二等奖（光刻电极技术平台）
Awarded second prize of technology invention (technology platform for processing electrode with photolithographic process)

“国家企业技术中心”认定
Qualification of national-recognized enterprise technology center

2022
被认定为“博士后创新实践基地”
Designated as "Innovative practice base for postdoctoral researcher"

深圳市科技进步奖一等奖（黄光技术平台及在新型射频器件中的应用）
First prize for Shenzhen Science & Technology Progress Award

通过制造业单项冠军示范企业复核
Passed the review of demonstration enterprise for champion of single product in manufacturing industry

2023
越南顺络电子有限公司成立
Founded Vietnam Sunlord Electronics Co., Ltd.

入选广东省智能制造生态合作伙伴名单
Listed as a Guangdong Province Intelligent Manufacturing Ecosystem Partner

2024
成立深圳柏泰新能源有限公司
Established Shenzhen Baitai New Energy Co., Ltd.

荣获智能制造能力成熟度标准符合性证书（四级）
Awarded the Intelligent Manufacturing Capability Maturity Standard Compliance Certificate (Level 4)





ISO 45001:2018



ISO 9001:2015



IECQ QC 080000:2017



IATF 16949:2016



ISO 50001:2018



ISO 14001:2015



AEO 高级认证企业证书



古树认捐证书



VAP Recognition Cert-shenzhen
企业社会责任



先进企业



“绿色工厂”荣誉证书



深圳市节水型工业企业

顺络电子研究所
RESEARCH INSTITUTE OF SUNLORD

作为一家以科技创新为先导的高新技术企业，从公司创立之初就成立了以新型电子元器件的研究和开发为主要方向的顺络电子研发中心。
As a high-tech and innovation guided company, the R&D Center was founded at the very beginning.

2008年 获批“深圳市新型电功能陶瓷材料与元器件工程技术研究开发中心”。
Approved as “Shenzhen new functional electronic ceramic developing center”.

2018年 中心实验室被评为 “CNAS 认可实验室”。
The center laboratory was awarded the title of “CNAS Accredited Laboratory”.

2021年 被认定为 “国家企业技术中心”。
Recognized as “National Enterprise Technology Center”.

2022年 获批深圳市博士后创新实践基地。
Approved as Shenzhen Postdoctoral Innovation Practice Base.

2024年 与中国科学院宁波材料技术与工程研究所共建“非晶软磁合金复合材料创新研究中心”。
Established “Innovative research center for amorphous soft magnetic alloy composites” with Ningbo Institute of Materials Technology and Engineering, Chinese Academy of Sciences.

获批 “深圳电子元器件与材料研发设计及检测公共技术服务平台”。
Approved as “Shenzhen Electronic Components and Materials R&D Design and Testing Public Technology Service Platform”.

2016年 顺络电子与全球电子测量领导者是德科技合作成立“顺络电子 - 是德科技电子测量联合实验室”。
Sunlord and the global leader in electronic measurement Keysight Technologies set up “Sunlord – Keysight Technologies Electronic Measurement Joint Laboratory”.

2019年 获批“新型电子器件产业研发设计及应用公共服务平台”。
Approved as “Public Service Platform for R&D, design and application of new electronic device industry”.

获批“广东省新型电子元件与新材料工程技术研究中心”。
Approved as the “Guangdong Province Engineering Technology Research Center for New Electronic Components and New Materials”.

2023年 获批“深圳市龙华区新型精密陶瓷材料重点实验室”。
Approved as the Key Laboratory of New Precision Ceramic Materials in Longhua District, Shenzhen.

与华南理工大学共建“顺华先进材料与元器件联合研究院”。
Established “Shunhua Joint Research Institute for Advanced Materials and Components” with South China University of Technology.

2025年 研发中心更名为顺络电子研究所。
Sunlord R&D Center has been renamed Research Institute of Sunlord.

成立上海、东莞和湘潭分实验室。
Establish branch laboratories in Shanghai, Dongguan and Xiangtan.

顺络电子研究所聚焦新型电子元器件研发方向，深耕应用、材料、工艺、装备、设计与测试等基础技术领域，汇聚国内外顶尖专家与专业技术人才，建设博士 - 硕士 - 本科等多层次人才队伍，广泛开展与中国科学院、清华大学、华南理工大学等国内外高校及科研院所的深度合作，整合多方优势，引领技术发展方向，推动技术成果产业化落地。
Research Institute of Sunlord focuses on the research and development of new electronic components. It deeply engages in basic technical fields such as application, materials, manufacturing process, equipment, design and testing. It gathers top domestic and international experts and professional technical talents, builds a multi-level talent team covering doctors, masters and bachelors, and extensively collaborates with domestic and international universities and research institutions such as the Chinese Academy of Sciences, Tsinghua University, and South China University of Technology. By integrating advantages from multiple parties, it leads the direction of technological development and promotes the industrialization of technological achievements.

26 项 新产品科学技术成果鉴定
Appraisal of scientific and technological achievements

17 项 标准
Standard

372 项 发明专利
Invention Patent

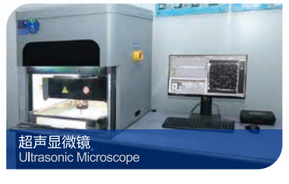
30 项 国外发明专利
International Invention Patent

4 项 发明专利奖
Invention Patent Award

检测设备 INSPECTION EQUIPMENT


场发射扫描电镜
Field Emission Scanning Electron Microscopy


X射线CT系统
3D X-ray CT System


超声显微镜
Ultrasonic Microscope


射频探针台测试系统
RF Probe Station Test System


全自动SMT线
Automatic Smt Line

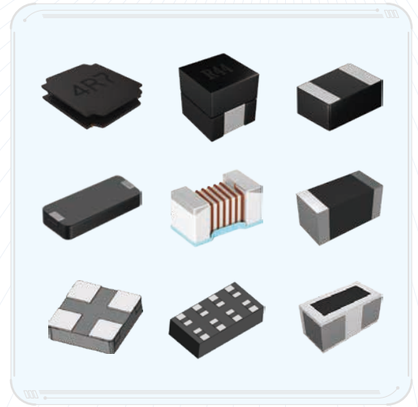

三综合试验系统
Combined Climatic(Temperature/Humidity) And Vibration Test

主要产品
MAIN PRODUCTS

线圈/电感 Coils / Inductors

自主研制铁氧体、铁基合金、陶瓷等材料配方，利用叠层、绕线、模压等生产平台，结合薄膜技术、低压成型等工艺技术，我们可以提供不同应用需求的高性能线圈 / 电感产品。如用于电源线路的功率电感，包括叠层功率电感、绕线功率电感、一体成型功率电感、组装类功率电感和铜磁共烧功率电感；用于一般信号线的信号电感，包括叠层铁氧体电感和绕线铁氧体电感；用于高频电路的高频电感，包括叠层高频电感和绕线高频电感。产品尺寸覆盖 0.2mm*0.1mm（英制 008004）到 12.6mm*13.45mm 全系列尺寸，电感量范围从 0.2nH 到 1mH。

Independently developed material formulations such as ferrites, iron-based composites, ceramics, etc., using production platforms such as multilayer, winding, and molding, and combining thin film technology, low pressure molding and other technologies, we can provide high performance coil/inductor products for different application requirements. Such as power inductors used in power lines, including multilayer power inductors, wire-wound power inductors, molding inductors, assembled power inductors and co-fired alloy power inductors; Inductors used in general signal lines, including multilayer ferrite inductors and wire-wound ferrite inductors; high-frequency inductors used in high-frequency circuits, including multilayer high-frequency inductors and winding high-frequency inductors. The product size covers full range of sizes from 0.2mm*0.1mm (008004 inch) to 12.6 mm*13.45mm, the inductance ranges from 0.2nH to 1mH.





变压器 Transformers

顺络电子变压器产品线包括功率变压器、PFC 电感、谐振电感、共模线圈、电流互感器、脉冲变压器等。按照技术平台可分为绕线变压器和平面变压器。我们采用全自动化产线生产，产品性能优良，质量稳定，一致性好，并且很好地应对整体性的劳动力短缺问题并满足客户低缺陷的质量需求，被大量应用于服务器电源、汽车电子、新能源、手机快充、网络设备、安防等。

Sunlord Electronics transformer products include power transformer, PFC inductor, resonant inductor, common mode choker coil, high power inductor, current transformer, pulse transformer, etc. We have wire-wound and planar technology platforms. By using fully automatic production lines, our transformers provide excellent electrical performance, steady quality and good consistency. Meanwhile, it effectively solves labor shortage problems and meet customer's low defective rate requirements; They are widely used in server power supply, automotive electronics, new energy resource, network equipment, security, etc.

EMC元件 EMC Components

从产品种类上包括磁珠、叠层和绕线共模扼流器，可满足不同应用场景的需求。

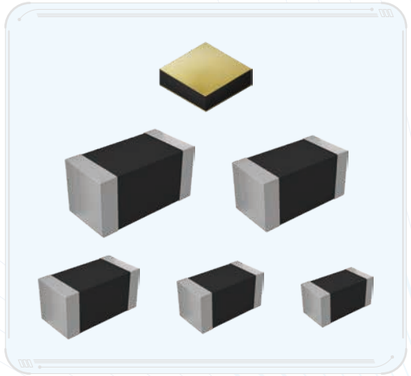
Beads, multilayer and wire wound common mode chokes for signal lines, meeting the needs of different application scenarios.



敏感元件 Sensitive Components

顺络的敏感元件包括压敏电阻和 NTC 热敏电阻。叠层压敏电阻采用独特的材料配方以及全新的晶粒半导化技术，提高了通流密度，降低了钳位电压。产品用于接口静电防护、电源线过电压抑制。NTC 热敏电阻方面，基于多年精密陶瓷以及厚膜印刷技术的积累，顺络电子开发出多种高性能、小尺寸 NTC 热敏电阻，广泛应用于手机、电池、光模块、xPU 等应用场景的温度监控与保护。

Using unique material formula and grain semiconducting technology to promote current density and low clamping voltage, the multilayer varistor is used for ESD protection of interface and power line overvoltage suppression. For NTC thermistor, based on years of accumulation of precision ceramics and thick film printing technology, Sunlord Electronics has developed a variety of high-performance, small-size NTC thermistors, which are widely used in the over-heat protection and temperature monitoring of mobile phones, batteries, optical modules, xPUs and other applications.





精密陶瓷 Fine Ceramic Products

公司在先进陶瓷领域逾 30 年的精耕细作，已拥有先进完整的制粉、成型、烧结、加工、组装全流程工艺核心技术。产品覆盖半导体、新能源汽车、光伏、锂电、医疗、高端装备、消费电子、通讯等领域。公司在材料体系和配方构建、材料处理和加工、产品应用开发等方面拥有成熟、多样化的技术路径和解决方案。

产品覆盖粉体、研磨介质、结构陶瓷、陶瓷外观件、功能陶瓷、陶瓷金属化等。材料体系包括氧化物、氮化物、碳化物、复合陶瓷等。自产纳米粉、996 氧化铝陶瓷基板、分级机用分级轮、热等静压氮化硅轴承球、耐高温铈稳定氧化锆陶瓷球阀等产品不同程度上实现了国产化替代。公司通过了国内外主流智能终端、高端装备、医疗、汽车企业认证，搭建了完备的先进陶瓷材料体系，掌握了适应不同材料特点的制造工艺，将硬脆难加工材料技术应用到大规模生产中并建立了一整套制造标准流程和质量管理体系，实现了标准化流程、严格质检、具备可追溯性。

With over 30 years of dedicated experience in advanced ceramics, Sunlord Electronics possesses core technologies across the entire process chain - from powder processing, forming and sintering to machining and assembly. Our products serve diverse sectors including semiconductor, new energy vehicles, photovoltaics, lithium-ion batteries, medical, high-end equipments, consumer electronics, and communications. We have mastered mature and diversified technical approaches and solutions in material systems & formulation, material processing & fabrication, and product application development.

Our product covers ceramic powders, grinding media, structural ceramics, ceramic components, functional ceramics and ceramic metallization. Material systems include Oxides, Nitrides, Carbides, and composite ceramics.

Key products achieving varying degrees of import substitution include: In-house nano powders; 99.6% alumina ceramic substrates; Classifier rotors for particle separators; Hot isostatic pressed (HIP) Silicon Nitride ceramic bearing balls; High-temperature resistant cerium-stabilized Zirconia (Ce-TZP) ceramic ball valves.

The company holds certifications from leading global manufacturers in smart devices, high-end equipment, medical, and automotive sectors. We have established a comprehensive advanced ceramic material system and mastered tailored manufacturing processes for diverse material properties. Our expertise enables the application of hard-brittle material technology to large-scale production, underpinned by standardized manufacturing procedures, a rigorous quality control system, and full traceability.

钽电容 Tantalum Capacitors

顺络电子生产一系列高可靠性和低 ESR、且覆盖宽电压范围的固体片式钽电容器。按照阴极材料的不同，分为 MnO_2 钽电容和聚合物钽电容。我司开发了全新结构（无引线框）产品 TP/TM 系列，实现产品小型化、薄型化、大容值、低 ESR、低漏电流等优点。钽电容尺寸包括 A/B/C/D/F 壳，厚度最小为 1.2mm，容量范围 1uF~1000uF。

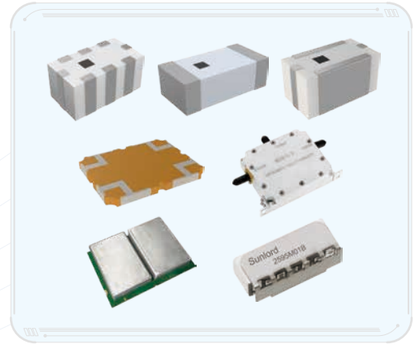
Sunlord Electronics manufactures a family of solid chip tantalum capacitors with high reliability and low ESR over a wide voltage range. Based on different cathodes, there are MnO2 and polymer tantalum capacitors. We have developed innovative frameless tantalum capacitor-TP/TM series, and it provide excellent characteristics such as small size, low profile, large capacitance, low ESR, high reliability and low leakage current, etc. Their sizes include A/B/C/D/F shell, and the capacitance ranges of 1uF ~ 1000uF.

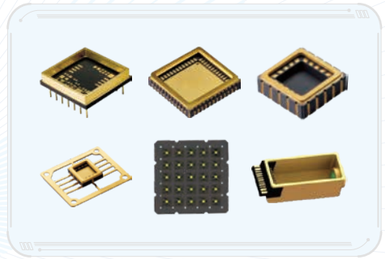


RF元件 RF Components

顺络电子提供大量用于通信领域的射频器件，这是基于独立的材料研发能力、先进的 LTCC 技术和丰富的射频设计经验而实现的。这些器件包括 Wi-Fi/ 蓝牙天线、LTCC 滤波器、巴伦、双工器、三工器、耦合器、功分器、介质波导滤波器、薄膜滤波器等产品。

Sunlord Electronics provides a large numbers of RF devices used in the communication field, which is based on unique material development capabilities, advanced LTCC technology and rich RF design experience. These devices include Wi-Fi/Bluetooth antennas, LTCC filters, balun, diplexers, triplexers, couplers, power splitters, ceramic waveguide filters, film filter etc.





HTCC

顺络电子提供多层陶瓷基板、陶瓷管壳、金属管壳等 HTCC 系列产品，多层陶瓷基板结合先进的加工和薄膜蚀刻技术，能够实现高平面度、高精度、超细线条的设计；陶瓷管壳通过独特的材料配方、结构设计，满足高可靠性、高气密性等要求；金属管壳通过优化馈通结构设计、布线设计和材料配方，满足匹配芯片阻抗、抗干扰、不同传输速率的要求。广泛应用于医疗器械、半导体设备、光模块、红外探测、汽车电子、激光雷达、工业激光器等领域。

Sunlord Electronics provides a series of HTCC products, including multi-layer ceramic substrates, ceramic packages, and metal packages. The multi-layer ceramic substrates, leveraging advanced processing and thin-film etching technologies, enable designs with high flatness, high precision, and ultra-fine lines. Ceramic packages meet requirements for high reliability and high hermeticity through unique material formulations and structural designs. Metal packages fulfill demands for matching chip impedance, anti-interference, and various transmission rates by optimizing feedthrough structure design, wiring layout, and material recipes. These products are widely used in medical devices, semiconductor equipment, optical modules, infrared detection, automotive electronics, LiDAR, industrial lasers, and other fields.

定制化产品 Customized Products

透明导电薄膜：自主研发超大尺寸金属网格 (Metal Mesh) 铜导电薄膜，通过先进的精密蚀刻技术，将铜箔制作成肉眼看不到极细的网状透明导电电极薄膜，具有优良的导电性、耐曲挠性、稳定性等特点，透过率 > 85%。Metal Mesh 技术可用于制作电容式触控膜、透明加热膜、透明 5G 天线、EMI 电磁屏蔽膜等，广泛应用于智慧交通、低空飞行、AR/VR、建筑玻璃、触控面板等场景。

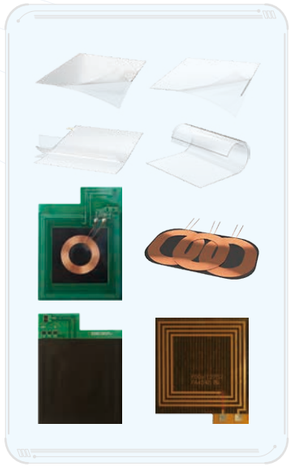
NFC 天线：从原材料到铁氧体片到 NFC 天线的全产业链整合，提供多种技术解决方案，满足客户各种应用场景的定制化需求。

无线充电线圈：无线充电线圈组分发射、接收模块，符合 Qi 标准，具有厚度小、机械强度高、高温保护设计等特点，尺寸、形状、特性均可定制，应用于手机、穿戴设备、汽车电子等领域。

Transparent Conductive Film: Independently developed ultra-large-size Metal Mesh copper conductive film. Through advanced precision etching technology, copper foil is made into an extremely fine mesh transpar- ent conductive electrode film that cannot be seen by the naked eye. It has excellent conductivity, flex resistance, stability and other characteristics, with a transmittance>85%. The Metal Mesh technology can be used to make capacitive touch films, transparent heating films, transparent 5G antennas, EMI electromagnetic shielding films, etc. Those products are widely used in scenarios such as smart transporta- tion, low-altitude flight, AR/VR, architectural glass, and touch panels.

NFC Antenna: Integrated whole industry chain from raw materials to ferrite chips, to NFC antennas, provides a variety of technical solutions to meet the customization requirement of various application scenarios.

Wireless charging coil assembly: Wireless charging coil assembly consists of transmitter and receiver module, and it conforms to Qi standard and has the characteristic of low thickness, high mechanical intensity and high temperature protection design. The parameters of size, shape and characteristics can be customized. It applied to the electronics device such as mobile phones, wearable devices, automotive electronics, etc.



汽车电子
AUTOMOTIVE ELECTRONICS

1 车载照明 LED Light

功率电感 Power Inductor



共模扼流器
Common Mode Choke



NTC热敏电阻
NTC Thermistor



磁珠 Bead



2 智能驾驶 Intelligent Drive

高频电感
High Frequency Inductor



PoC电感 PoC Inductor



共模扼流器
Common Mode Choke



超声波传感变压器
Ultrasonic Sensor Transformer



NTC热敏电阻
NTC Thermistor



磁珠 Bead

功率电感 Power Inductor

3 智能座舱 Intelligent Cockpit

共模扼流器
Common Mode Choke



高频电感
High Frequency Inductor



PoC电感 PoC Inductor



功率电感 Power Inductor



NTC热敏电阻
NTC Thermistor

磁珠 Bead

4 T-box & V2X

功率电感 Power Inductor



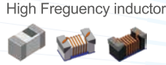
射频元件 RF Component



共模扼流器
Common Mode Choke



高频电感
High Freguency inductor



5 混动系统 Hybrid System

共模扼流器
Common Mode Choke



功率电感 Power Inductor



电源线共模 Power Line CMC



6 电驱 Motor Driving

变压器 Transformer



7 热管理系统 Thermal Management System

功率电感 Power Inductor



共模扼流器
Common Mode Choke



变压器 Transformer



8 DC-DC 转换器 DC-DC Converter

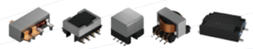
功率电感 Power Inductor



共模扼流器
Common Mode Choke



变压器 Transformer



电流互感器
Current Sensor Transformer



9 电池管理系统 BMS

变压器 Transformer



功率电感 Power Inductor



共模扼流器
Common Mode Choke



NTC热敏电阻
NTC Thermistor



磁珠 Bead

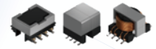


10 车载充电机 OBC

共模扼流器
Common Mode Choke



驱动变压器 Drive Transformer



功率电感 Power Inductor



LLC变压器 LLC Transformer

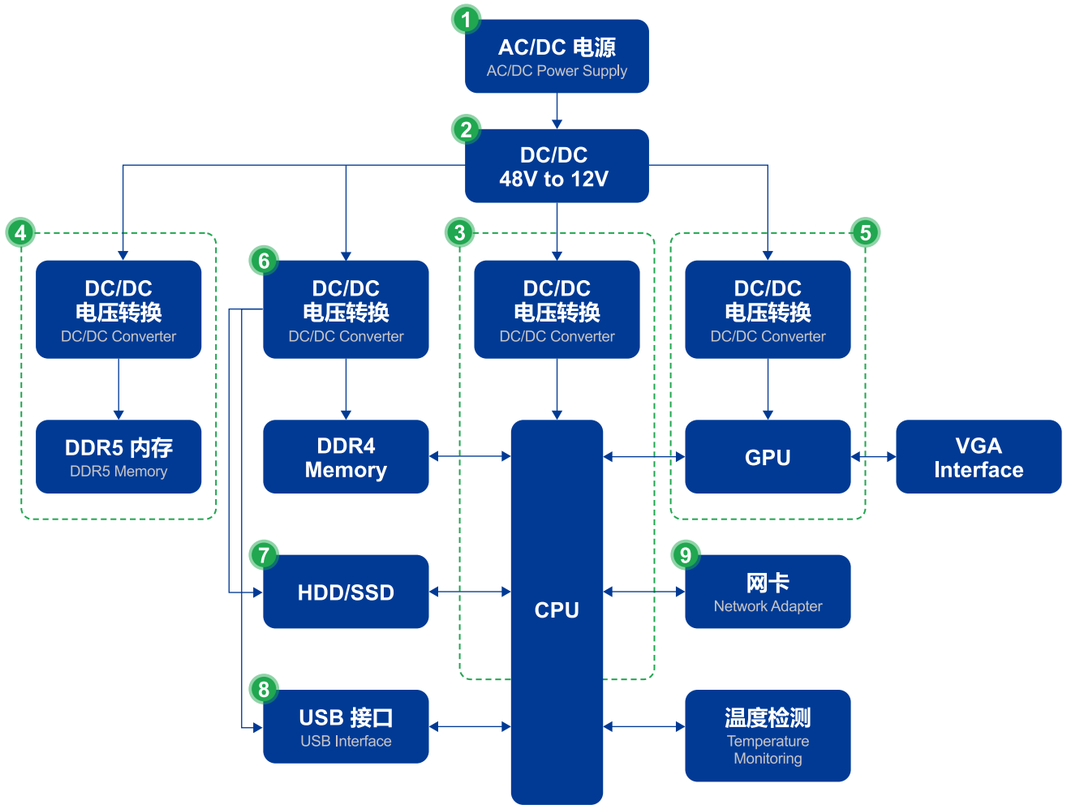


电源线共模 Power Line CMC

NTC热敏电阻
NTC Thermistor

数据中心和AI计算应用

APPLICATION FOCUS – DATA CENTER & AI COMPUTING



1 AC/DC 电源 AC/DC Power Supply

2 48V to 12V

3 CPU

4 DDR5 内存 DDR5 Memory

5 GPU

6 DC/DC电压转换 DC/DC Converter

7 HDD/SSD

8 USB 接口 USB Interface

9 网卡 Network Adaptor



TLVR 电感
TLVR Inductor



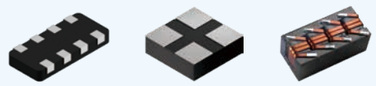
钽电容 TP/TM 系列
Tantalum Capacitor - TP/TM Series



高功率密度集成式功率电感
High Power Density Power Inductor



多相电感/耦合电感
Multi-phase Inductor / Coupling Inductor



模压功率电感 – WC/MWSA/MWLA/MWTC 系列
Molded Inductor - WC/WSA/MWLA/MWTC Series



功率磁环 – ARCDC/ARLDC/GW2系列
Power Magnetic Ring - RCDC/RLDC/GW2 Series



变压器 – PQ/ER/EP/EF 系列
Transformer - PQ/ER/EP/EF Series



组装类功率电感 – WPZ 系列
Assembly Power Inductor - WPZ Series

