



# JIAKANG ELECTRONICS



38 YEARS EXPERIENCES

Focus on technologies  
Dedicated to services





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Company General Info



Products & Services



Culture & Honors

## PART ONE

# General Info



Integrity//Enterprising

Cooperation//Win-win



## 公司简介

company profile



- Established in 1986, RMB53,600,000 registered capital, about 110,000 M<sup>2</sup> factory area.
- Only focus on: the research and development and production of piezoelectric & dielectric ceramic materials and related component products.
- National level high-tech enterprise

# Company Size



## 1000 tons

Handling around 1000 tons raw materials

Produce 200 million pieces a year



## R&D and Manufacturing

Support worldwide customers including Fortune 500

Work closely with chip manufacturers

More than 30 years export experiences



## High Market Shares

More than 70% market shares in domestic China

World No. 2 Manufacturer for SMD resonators and filters

# H i s t o r y

## Establish

Jiaxing Electronic Ceramics Factory  
Buzzer, DIP resonator

1986

## GPS Antennas & Filters

Navigation devices start mass  
production

2003

2000

Change to shareholding

JIAKANG Electronics  
SMD resonators and filters  
ISO9001

## Actuators & Transducers

Piezo discs, bimorphs mass production  
Heat meter transducers mass production

2011

## Communications filters

2015

Filters for Wi-Fi  
Waveguide filter for base station

## IATF16949 Certified

Higher quality management  
level

# Core Competence

01

## Self-development materials

Material research institute  
Independent materials formula

03

## Experienced teams

38 experiences  
Extended technical supports  
Work closely with Texas Instruments



02

## High investment to R&D

About 8% of turnover  
More than 80 patents  
About 100 engineers

04

## Staff & System guarantee

Staff training  
High reliability equipment  
Self produced machines and software



Leader of the Professional Group for Piezoelectric and Microwave Ceramic Devices

Vice Chairman Unit

Electronic Ceramics and Devices Branch of China Electronic Components Industry Association

# System Assurance

## 质量管理体系认证证书

兹证明

浙江嘉康电子股份有限公司

浙江省嘉兴市嘉杭路 1188 号, 314001

质量管理体系通过了本公司根据:

《IATF16949: 2016 汽车认证方案》实施的审核

符合以下标准要求:

**IATF16949: 2016**

认证注册范围:

微波介质天线、压电陶瓷换能/传感元件设计、生产

地址: 无

注册日期: 2021 年 05 月 05 日

有效期至: 2024 年 05 月 04 日

IATF 证书编号: 0397869

CASC 证书编号: 2021A325



肖飞

**CASC**  
IATF16949: 2016

总经理: 肖飞  
北京九鼎国联认证有限公司  
中国北京市朝阳区东大桥路 12 号 1 楼 5 层 501 室

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版本: 3

修订日期: 2022-07-22

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## 环境管理体系认证证书

(正本)  
兹证明

浙江嘉康电子股份有限公司

统一社会信用代码: 91330400146462742T

注册地址: 嘉兴市嘉杭路 1188 号, 314001

已按照

**GB/T 24001-2016 idt ISO 14001:2015**

标准要求建立并实施了环境管理体系。

该管理体系适用于

**压电陶瓷频率元件 (含压电陶瓷换能/传感元件)、介质频率元件的设计、生产**

涉及的场所及相关活动:

场所地址	场所主要活动
浙江省嘉兴市嘉杭路 1188 号	压电陶瓷频率元件 (含压电陶瓷换能/传感元件)、介质频率元件的设计、生产

注册号: 01222E2035886M

取证日期: 2022-05-19

有效期至: 2025-05-18

总经理: 肖飞



# Quality Assurance



Advanced  
equipments  
for process



# Production Assurance



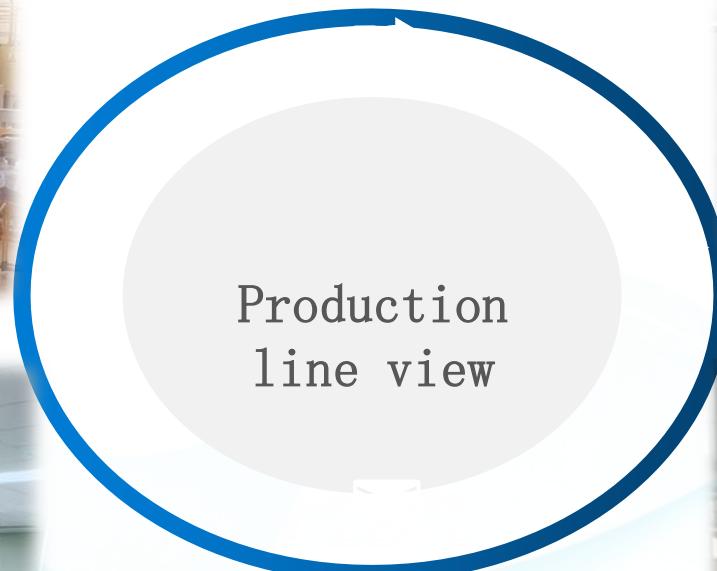
granulation



Dry shaping



Automated assembly



Sintering

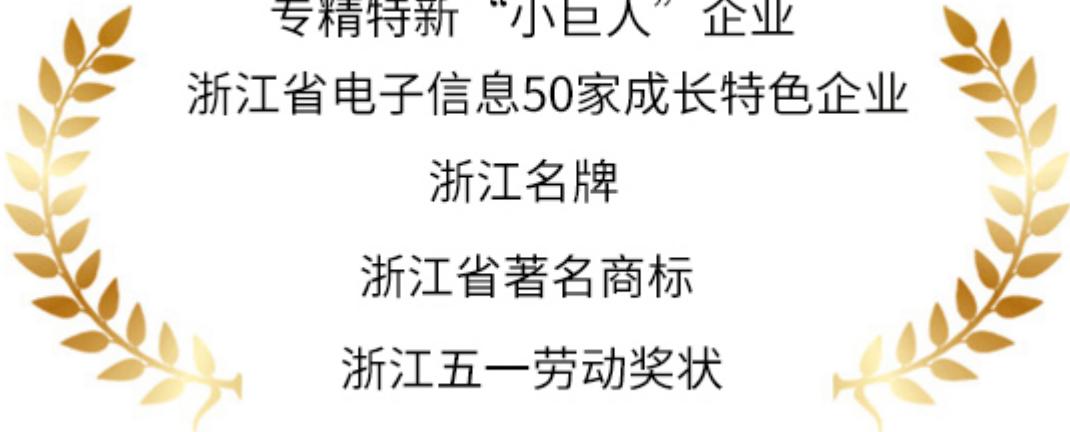
## PART 02

# Culture and honors



## Honours

高新技术企业  
专精特新“小巨人”企业  
浙江省电子信息50家成长特色企业  
浙江名牌  
浙江省著名商标  
浙江五一劳动奖状



- ✓ Zhejiang University—Jiakang Electronics Joint Laboratory
- ✓ Shanghai Institute of Ceramics, Chinese Academy of Sciences
- ✓ RFID Institute, Chinese Academy of Sciences
- ✓ Shanghai University
- ✓ Tianjin University (postdoctoral research station)

## PART 03

### Products and Services



Transducers & Actuators

Antennas & Filters

SMD Resonators & Filters



# Main Products

HP GNSS Patch Antenna



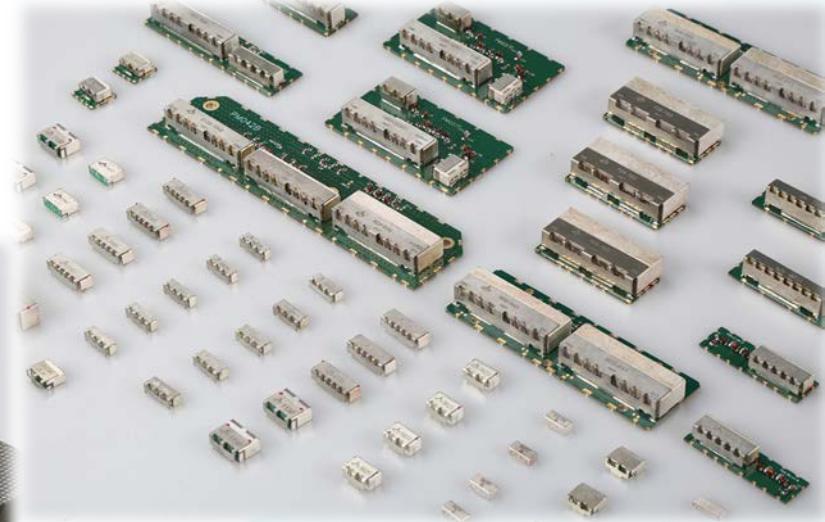
Modules



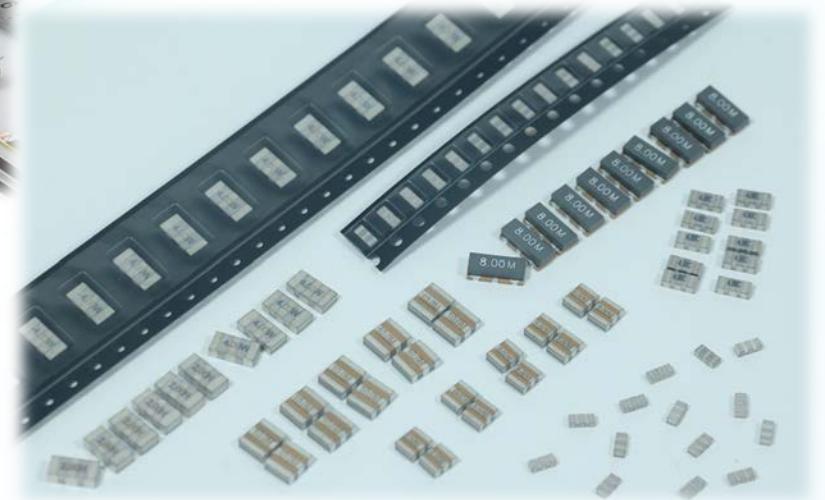
Transducers & Actuators



Filters



SMD Resonators & Filters

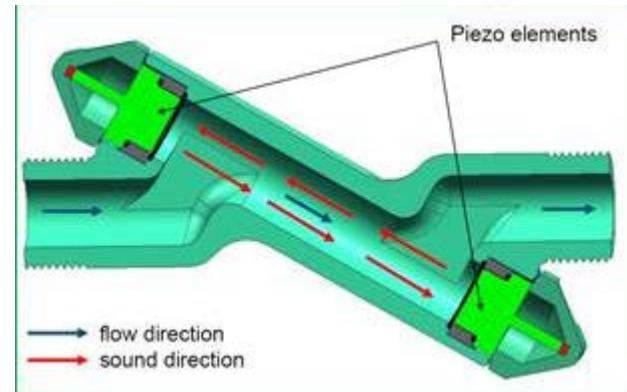
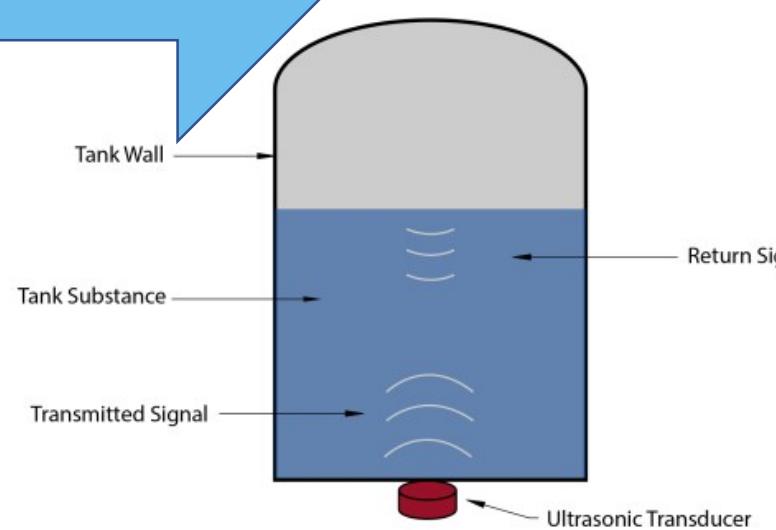


# Transducers&Actuators



Ultrasonic  
Transducers

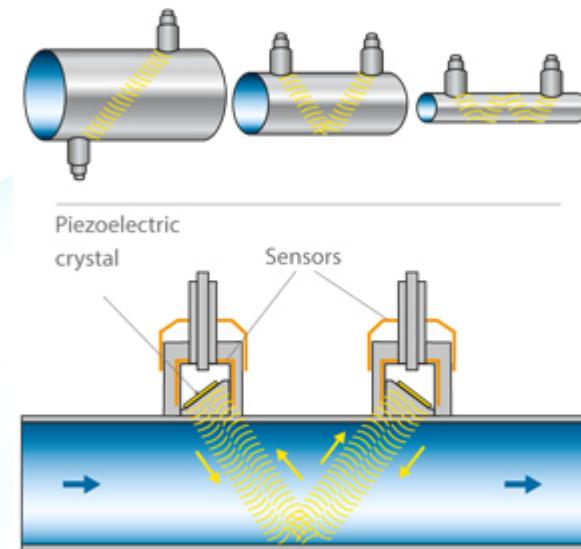
For heat/water/gas  
meters, leakage  
detection, distance  
measuring



← inline

↓ Clamp on

Sensor positions depending on nominal diameter



← distance

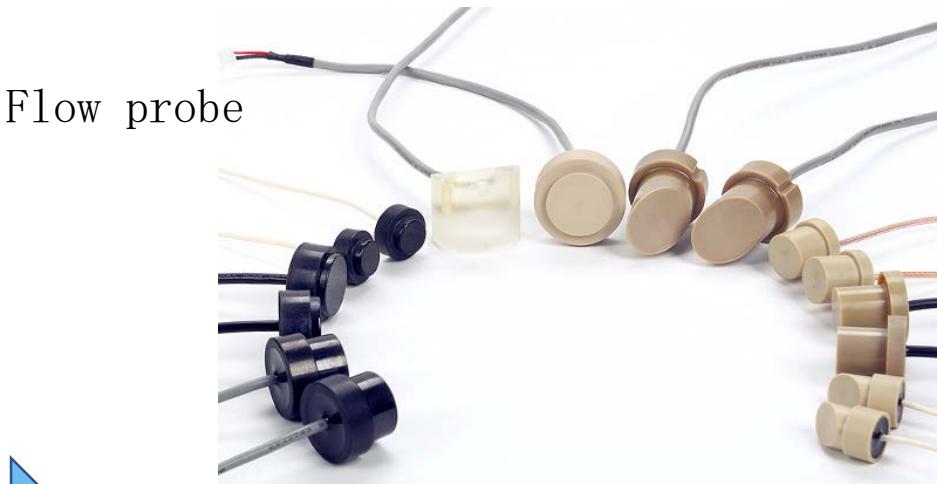
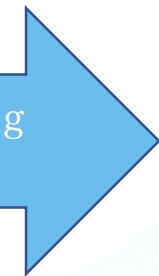
# Transducers&Actuators



Piezo elements



For flow measuring  
distance, medical



Flow probe

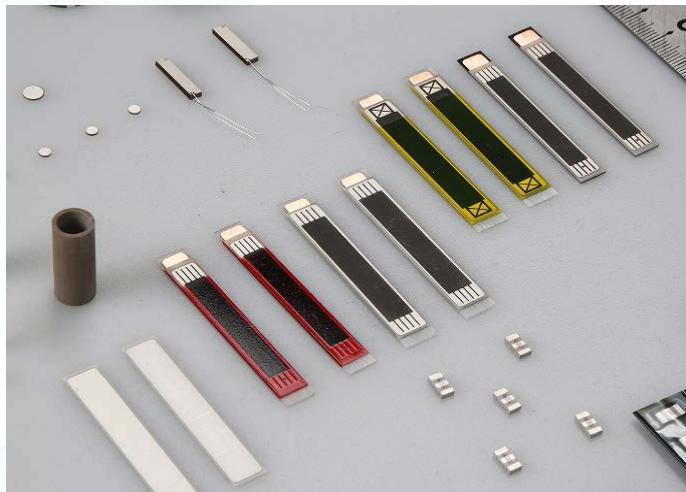


Medical probe



Ultrasonic  
energy gathering

# Transducers&Actuators



Actuators



For industry controls,  
textile machine, blind  
keyboard



piezo pneumatic  
control valve



Jarcard comb



## Transducers&Actuators



Piezo rings

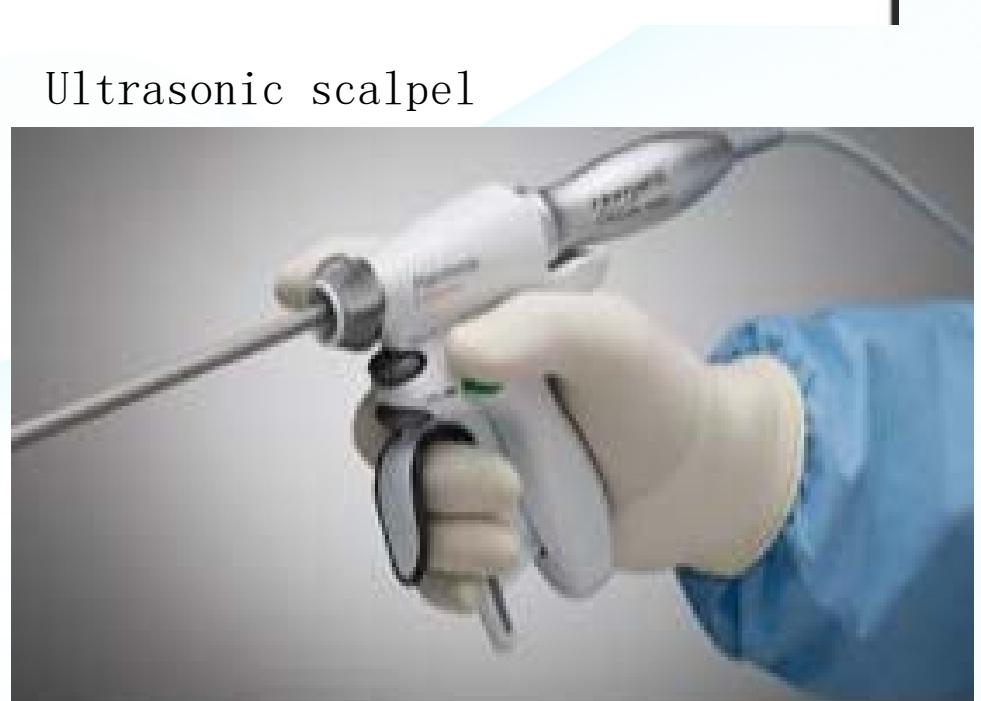
For ultrasonic  
soldering, cleaning,  
medical etc.



Ultrasonic cleaning



Ultrasonic  
soldering



Ultrasonic scalpel

# Products Features



## Ultrasonic transducers

Liquid: 1MHz, 2MHz, 4MHz etc

Gas: 200kHz, 300kHz, 500kHz etc

High stability , high reliability



## Piezo elements

Wide range frequency

Various sizes

Many electrodes types

Different materials



## Piezo rings

Free matching services

Long life time

## Antennas & Modules



GNSS L1/L2/L5 SDARS Iridium

Antennas  
Modules

High  
precision  
positioning  
navigation  
timing



Car navigation



Agricultural unmanned driving



shared bikes



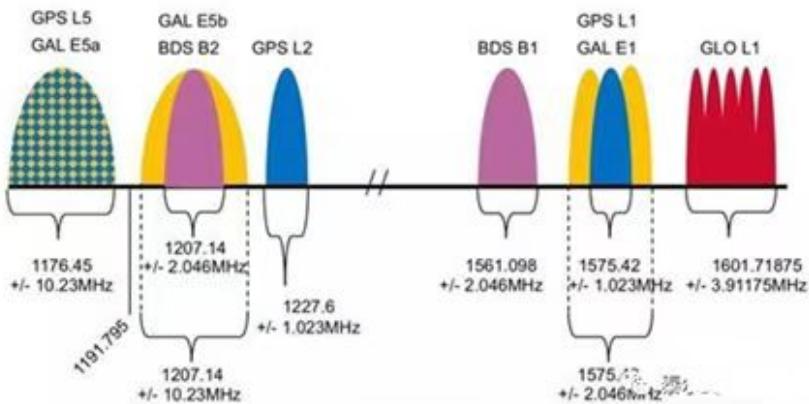
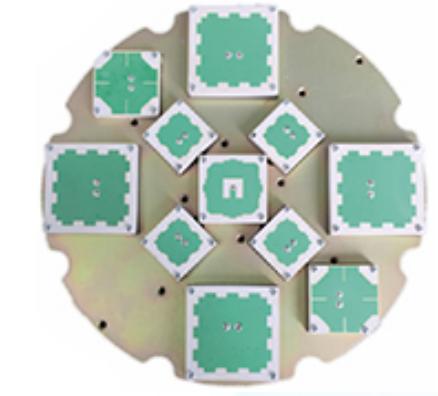
unmanned drones

# Products Features



## PATCH Antennas

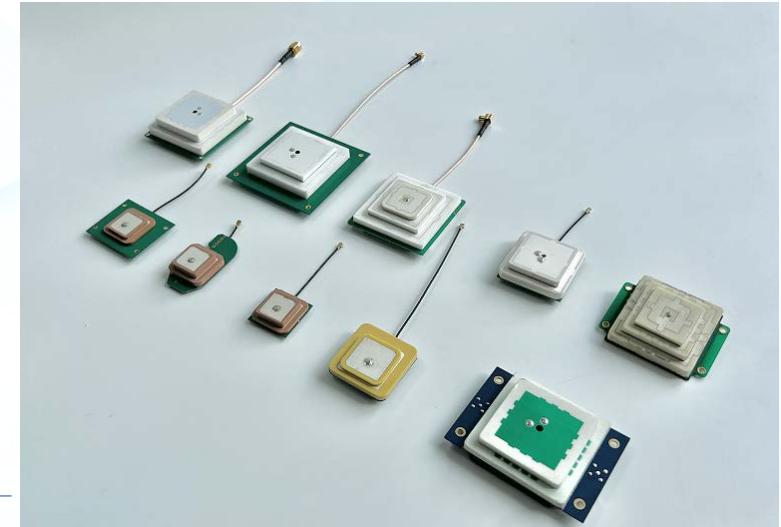
- All bands
- Pin or SMD type
- Free matching services
- Automated production
- Higher reliability



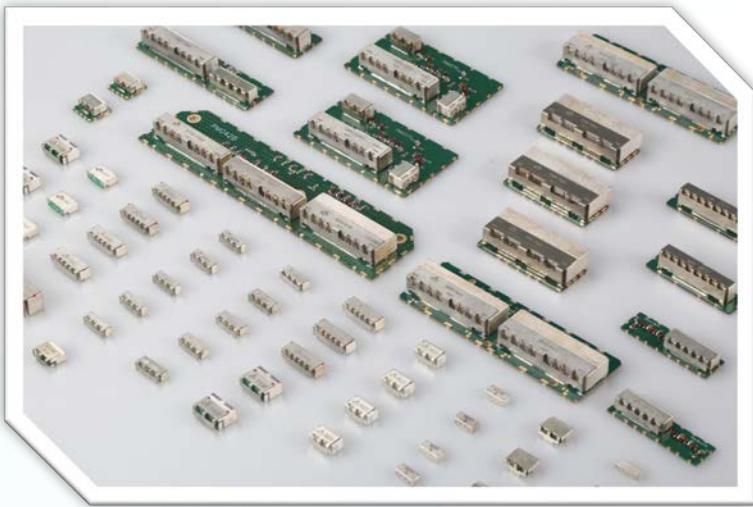
(GNSS信号工作频率)

## Modules

- Various sizes and bands
- Fast design
- Competitive price

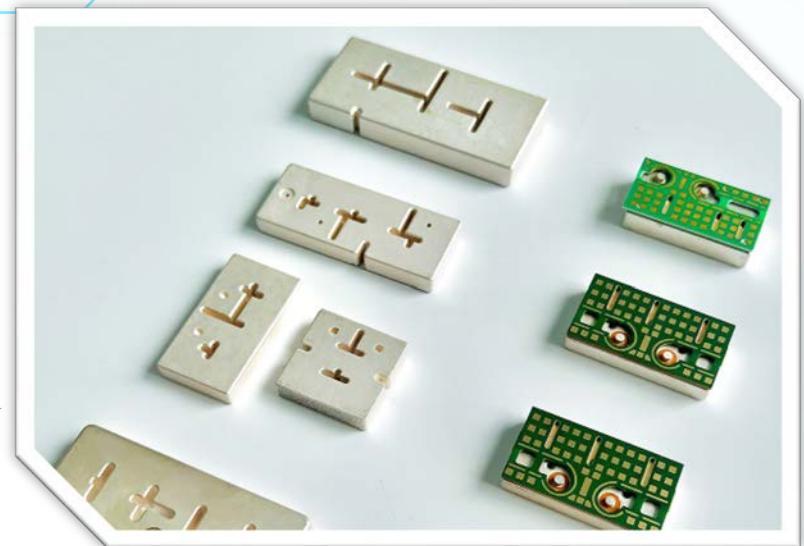


# Dielectric Filters



Communication  
Filter

5G base  
station  
Wi-Fi  
CPE  
etc



Router、AP



5G Base Station



different bands



5G CPE

# Products Features

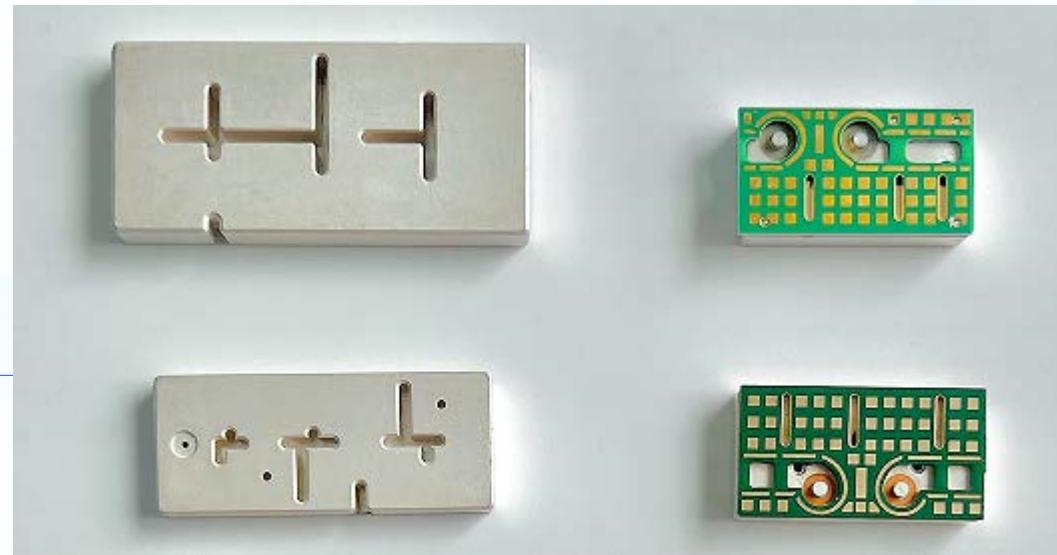


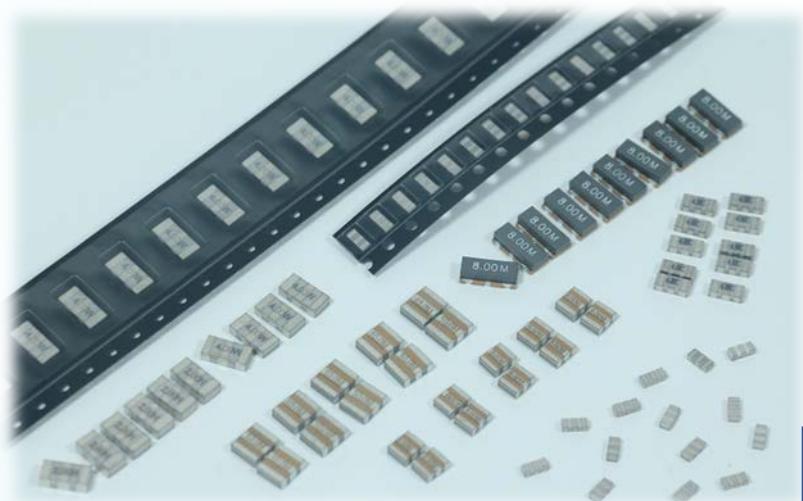
## Wi-Fi 5/6/6e/7 Filters

- Low insertion loss
- High attenuation
- High power resistance
- Good temperature stability

## 5G waveguide filters

- Own patents
- Rich experiences





For home appliances,  
industry,  
charging stations



## Features

- 1. 84~60MHz, 100% replace other brands
- No. 2 in the world

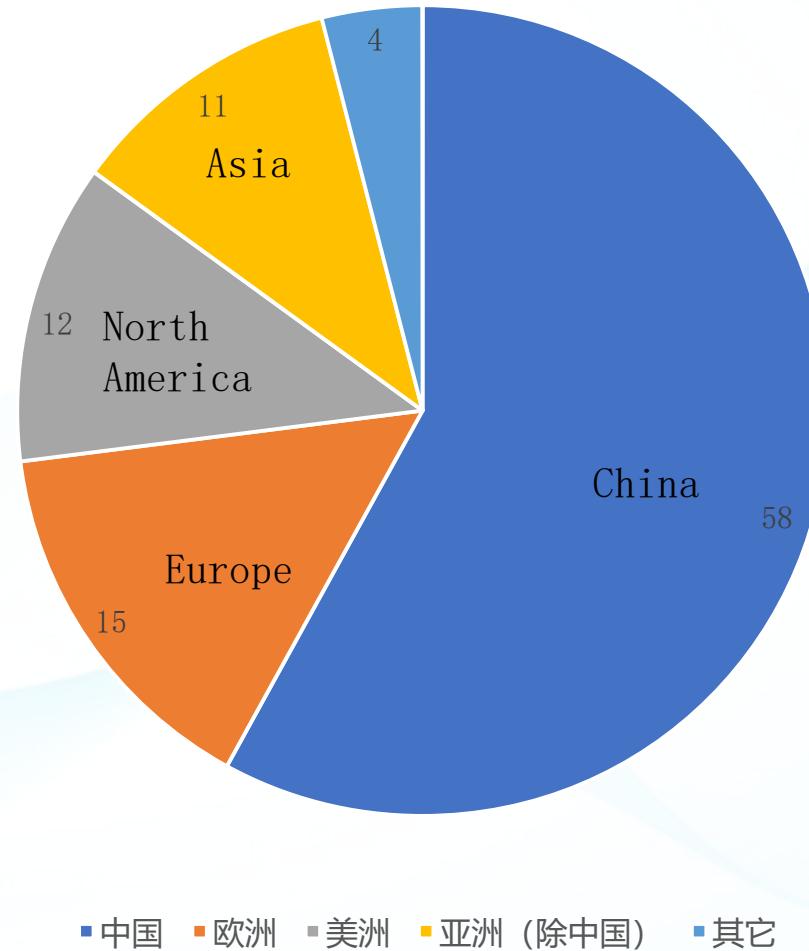


## Sales Regions



中国品质  
服务全球

Regional Percentage



## C o t a c t s



Win-Win Cooperation!

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