

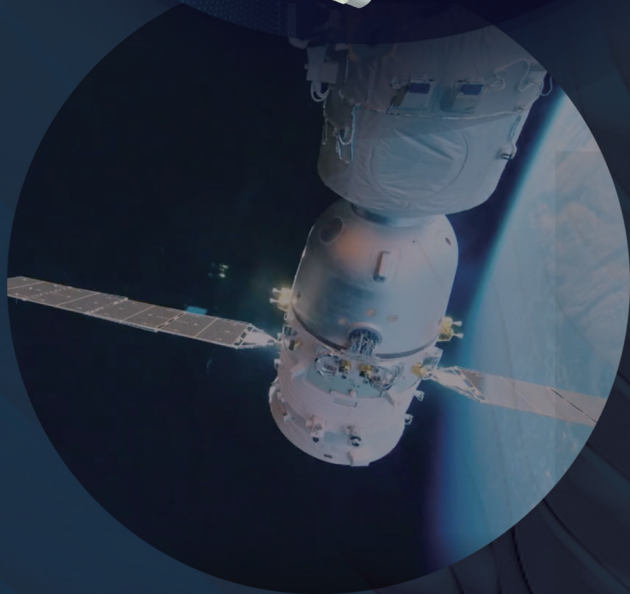


# RF

# Huaming Microwave

China-based, Globally-connected in RF

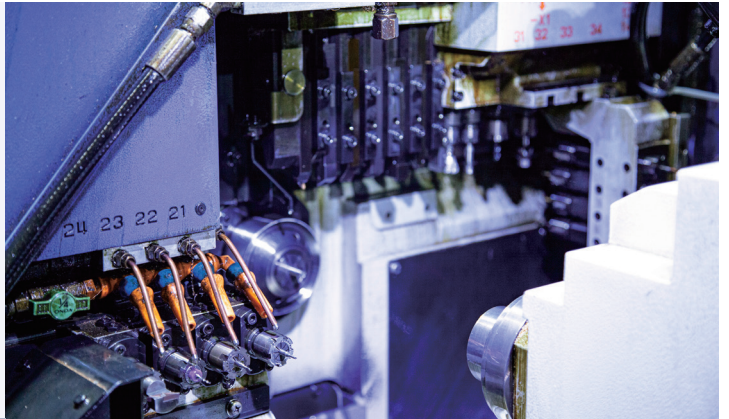
# Connection



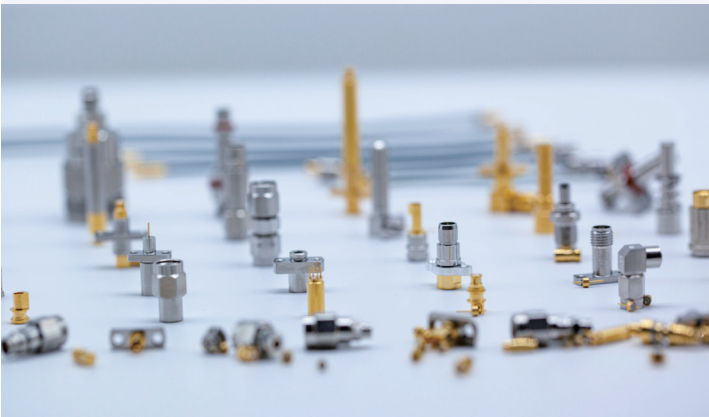
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## Company Profile

Chengdu Huaming Microwave Technology Co., Ltd. was established in December 2009. It is an enterprise that specializes in the research and production of RF coaxial connectors, RF coaxial cable assemblies, RF micro-



wave subsystems and RF microwave components, and provides high-quality and innovative solutions to meet the customer needs.



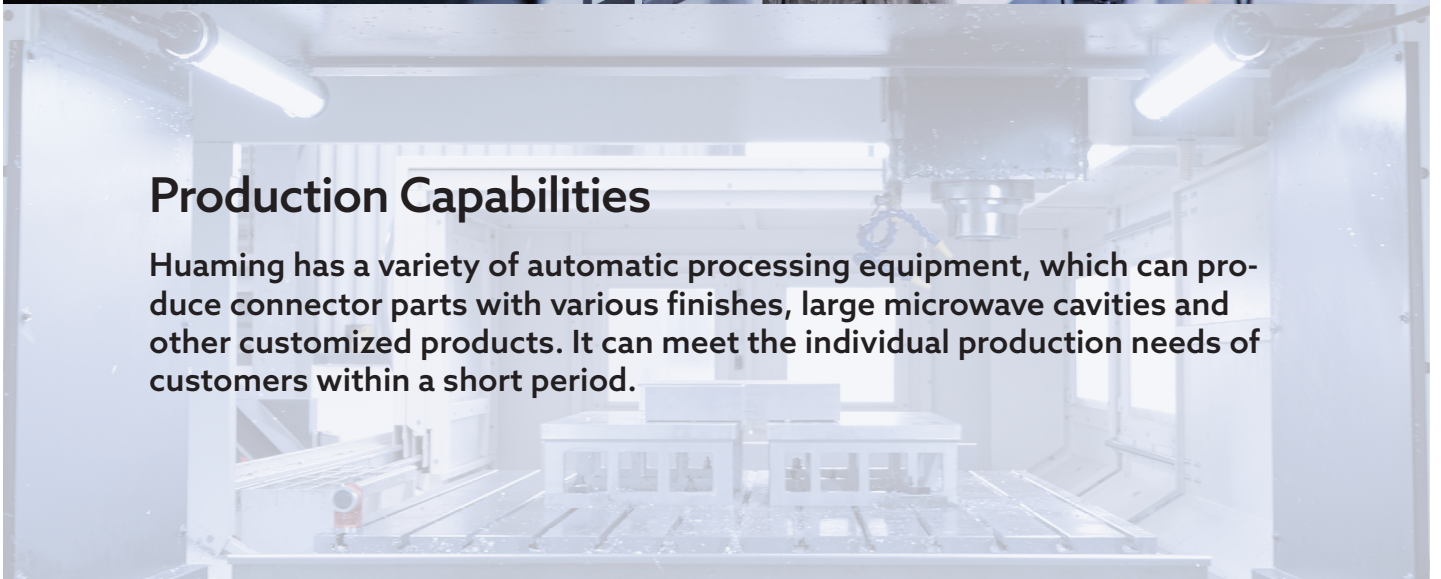
### Research & Development

Huaming has been working in the RF industry for more than 30 years, and was involved in major scientific research projects many times. It has been playing a leading role in research and development of RF components at home and abroad.



### Production Capabilities

Huaming has a variety of automatic processing equipment, which can produce connector parts with various finishes, large microwave cavities and other customized products. It can meet the individual production needs of customers within a short period.



## Quality & Assembly

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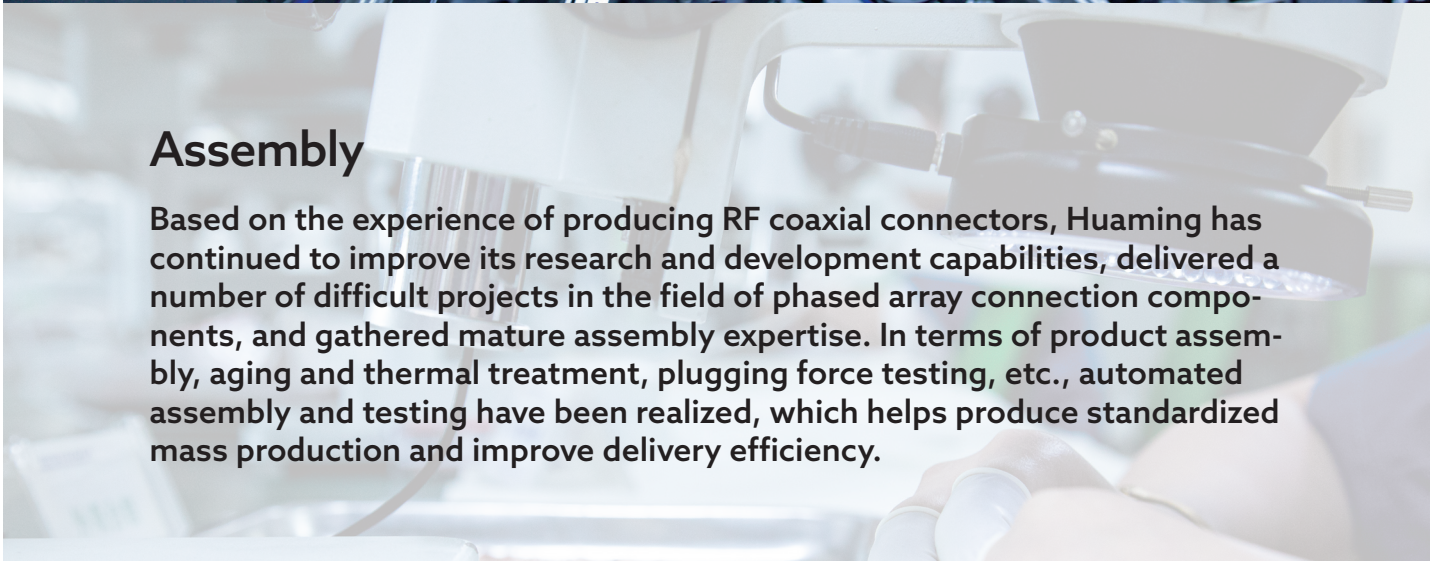
### Quality

Huaming provides customers with standardized, stable and reliable products through professional processing technology and testing capabilities. It has passed ISO9001:2015 certification of quality management system.



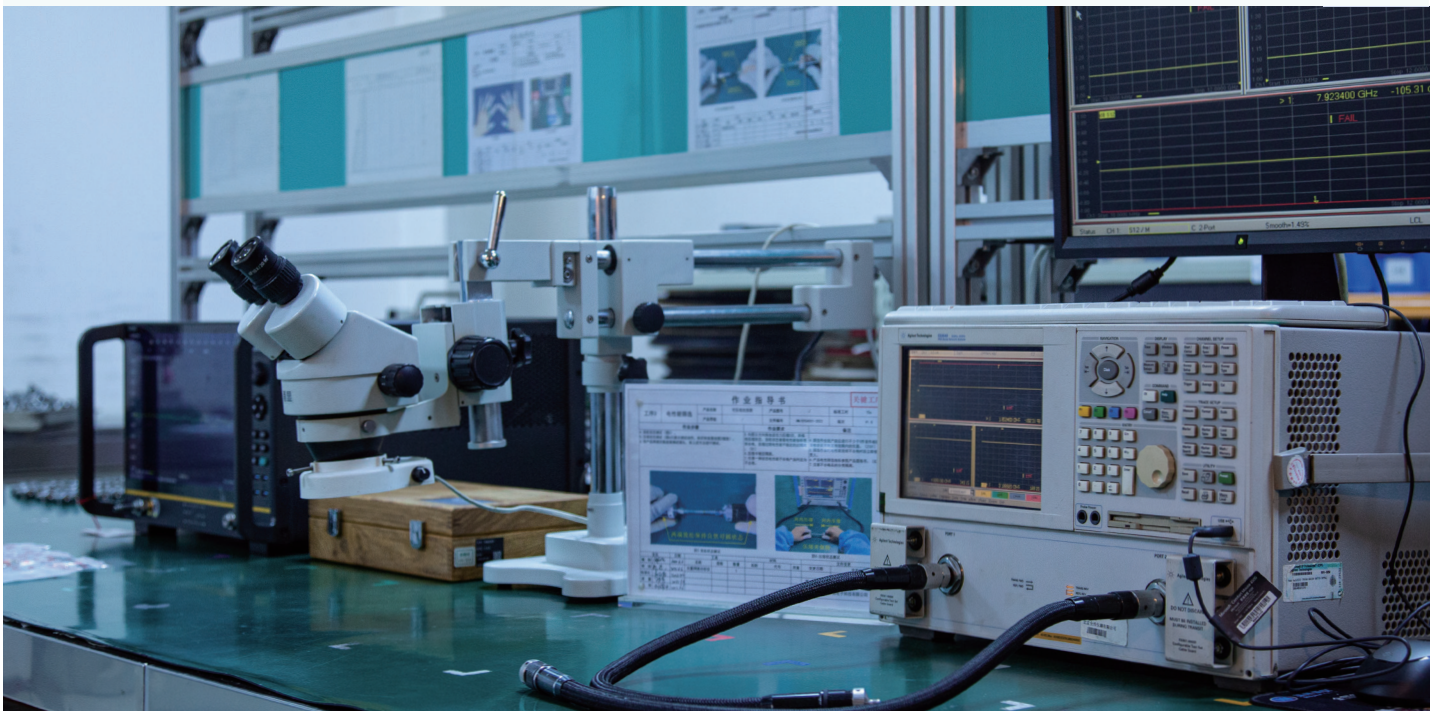
### Assembly

Based on the experience of producing RF coaxial connectors, Huaming has continued to improve its research and development capabilities, delivered a number of difficult projects in the field of phased array connection components, and gathered mature assembly expertise. In terms of product assembly, aging and thermal treatment, plugging force testing, etc., automated assembly and testing have been realized, which helps produce standardized mass production and improve delivery efficiency.



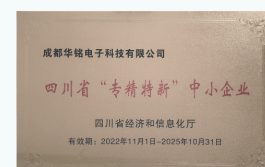
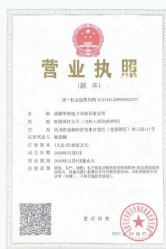
### Test and Validation

From research and development to mass production, all products of Hua-ming have been fully verified for the mechanical and electrical properties in accordance with GB and GJB standards. Its laboratory is equipped with testing instruments such as vector network analyzer, hardness tester, insertion force analyzer, etc. to ensure the reliability and durability of products.

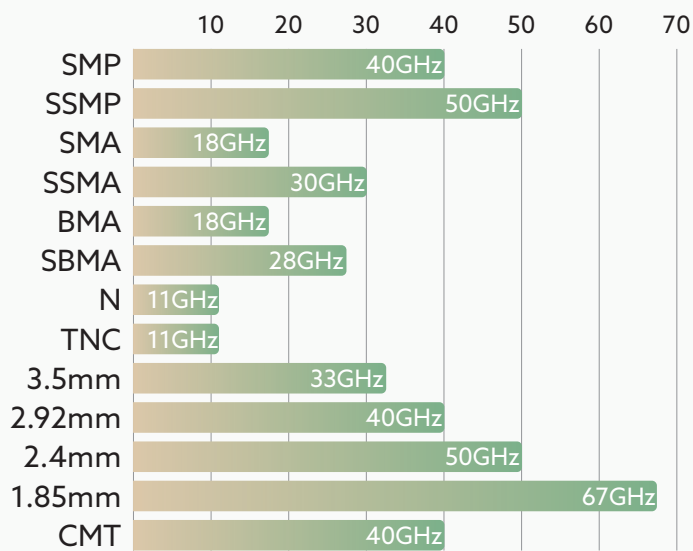


### Honors and qualifications

Apart from the listed certifications, the company has also been evaluated as a high-tech enterprise and a "Specialized, Refined, Unique, and New" small and medium enterprise, which proves our relentless pursuit of quality and innovation, as well as our leading position in the industry.



## RF Connectors



- Millimeter-wave connector
- Testing adapter
- Cable connector
- Load
- Vertical interconnect





### Various Specifications

Threaded, blind mate, and other standard connectors can be customized, with frequencies reaching up to 67GHz.

### Multiple Applications

Customization is available for various scenarios such as microstrip lines, coaxial cables, waveguides, through-wall, and more.

### Salt Spray Resistance

All gold-plated products have passed a 96-hours salt spray test in accordance with CJB150.11A.

### High Standards

Products are made to international standards and undergo rigorous testing to ensure flawless performance for the end-user.



## Spring Loaded Bullets



### Blind Mating

Easy and quick plugging and unplugging without the need for external tools. Variable mating forces adapt to different connection requirements.



### Multi-Channel

The spring-flex design allows for high-density board spacing scenarios, compensating for inter-board tolerances, ensuring connection performance, and facilitating quick assembly and disassembly.



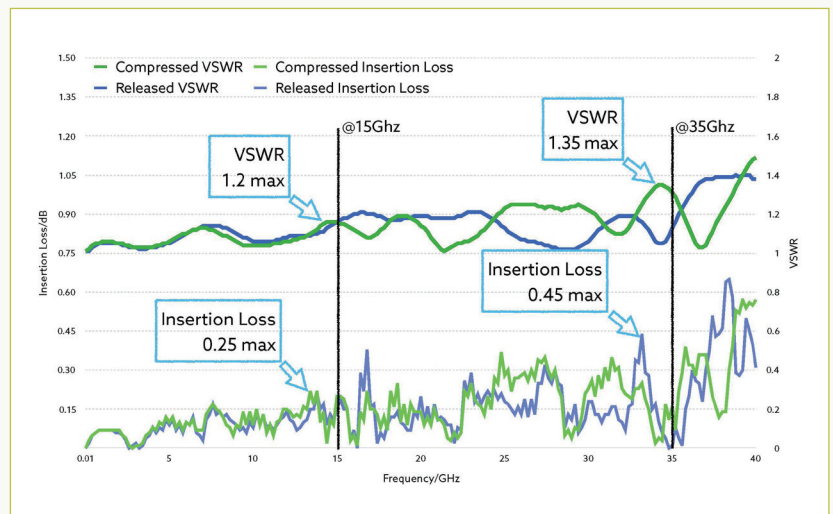
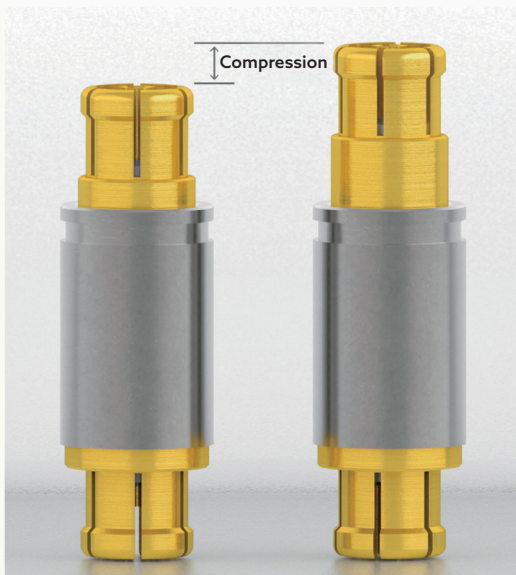
### Wide Frequency Range

Ensures performance continuity while supporting frequencies up to 40GHz (SMP) or 50GHz (SSMP).



### Spring-Loaded

Unique radial floating axle design, ensuring high-quality signal transmission even with minor displacements.



\* Typical test result for SSMP-KK20025, variations may occur across models





## Passive Microwave component



### Power divider

Airline Dielectric, 0.4-2 dB insertion loss, up to 18 GHz.



### Load

250W high-power standalone convection cooled load, frequency up to 18GHz.



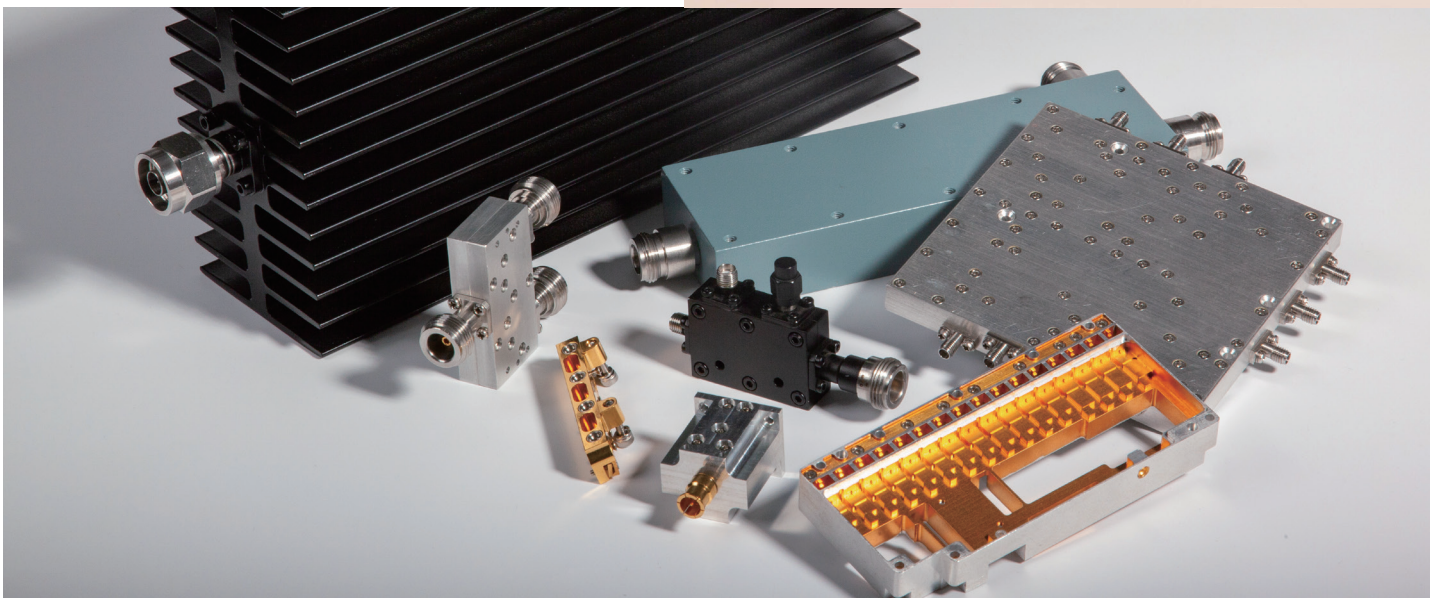
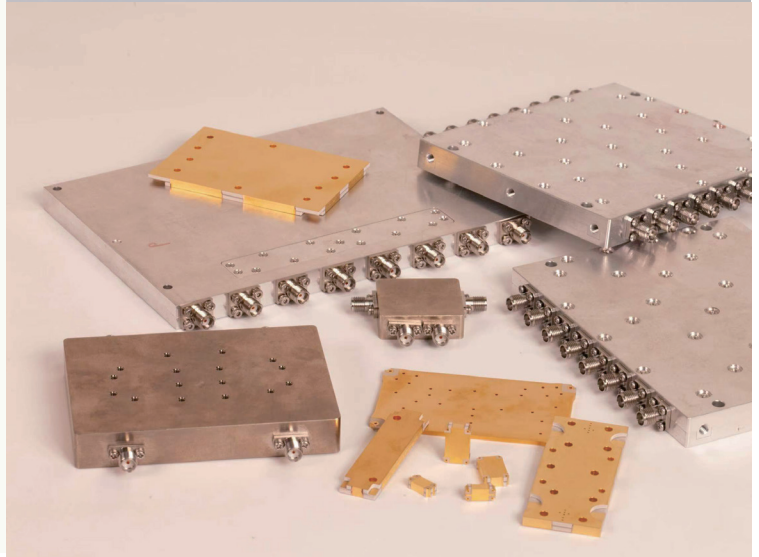
### Coupler

400W power handling, high-frequency essential for sampling, wide frequency coverage (2-18GHz), low loss, high directivity.

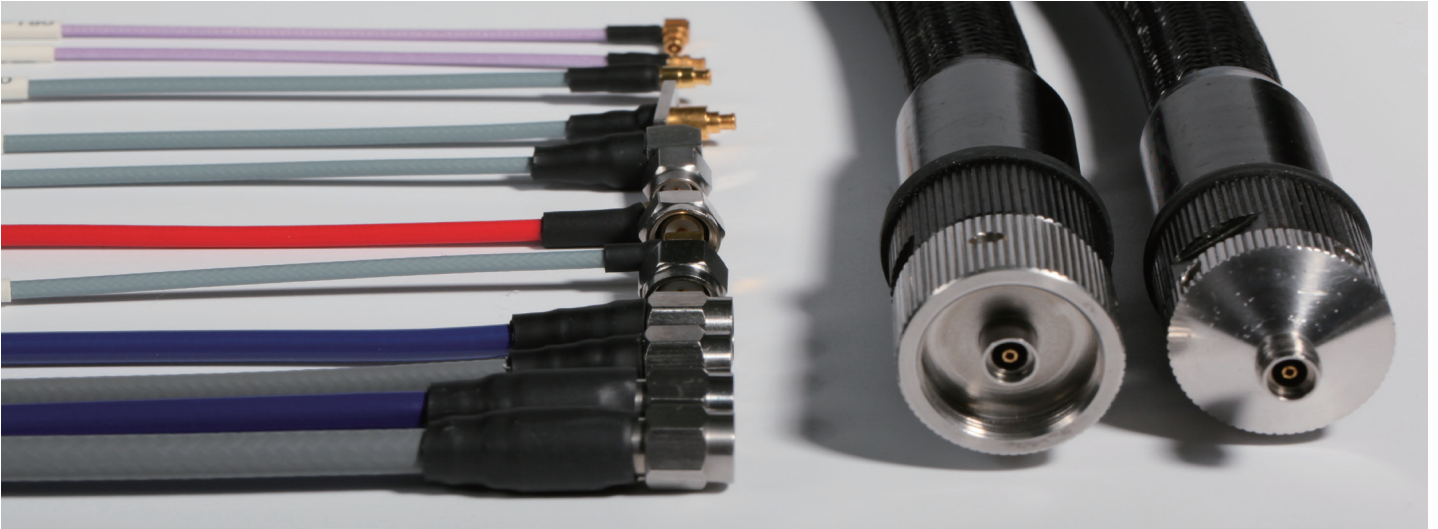


### 90° Hybrid coupler

Ideal for RF circuits, offers 90° hybrid coupling, 20 MHz-12 GHz, 400W handling, easy PCB mount, low loss.



## Cable Assembly



### Right Angle Connection

High-performance 90° right angle cable connector, suitable for complex wiring requirements, in case of space limitations.



### Soldering Techniques

Advanced soldering techniques, ensuring welding quality and reliability.



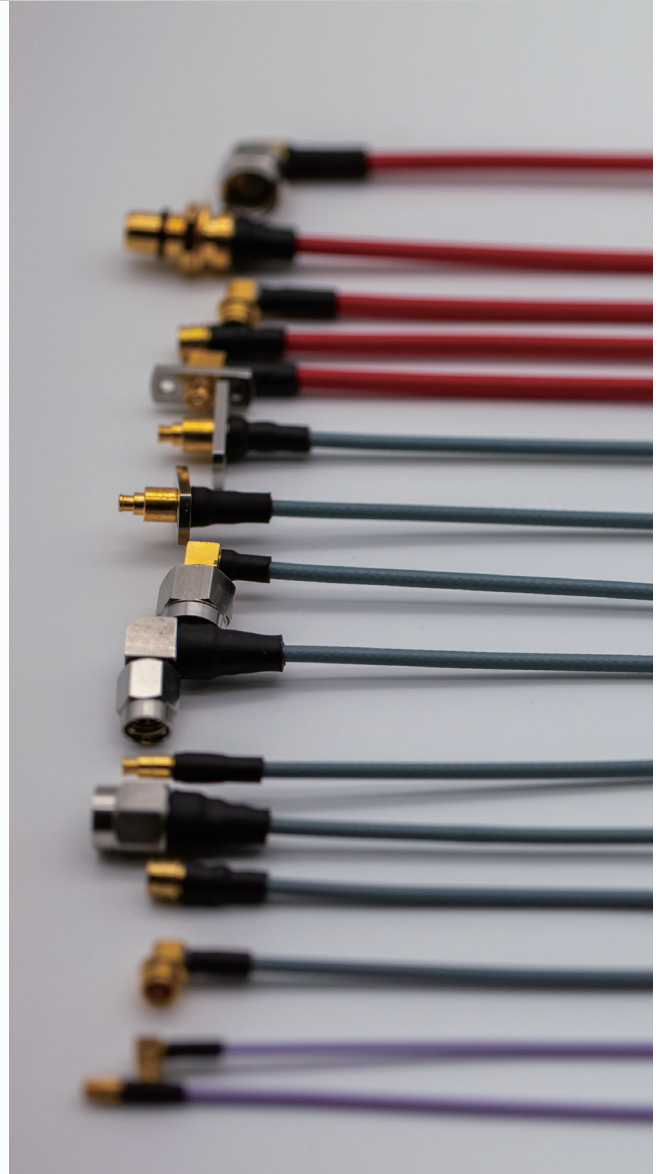
### Spring-loaded

Adaptable to high-density board- to-board connections.

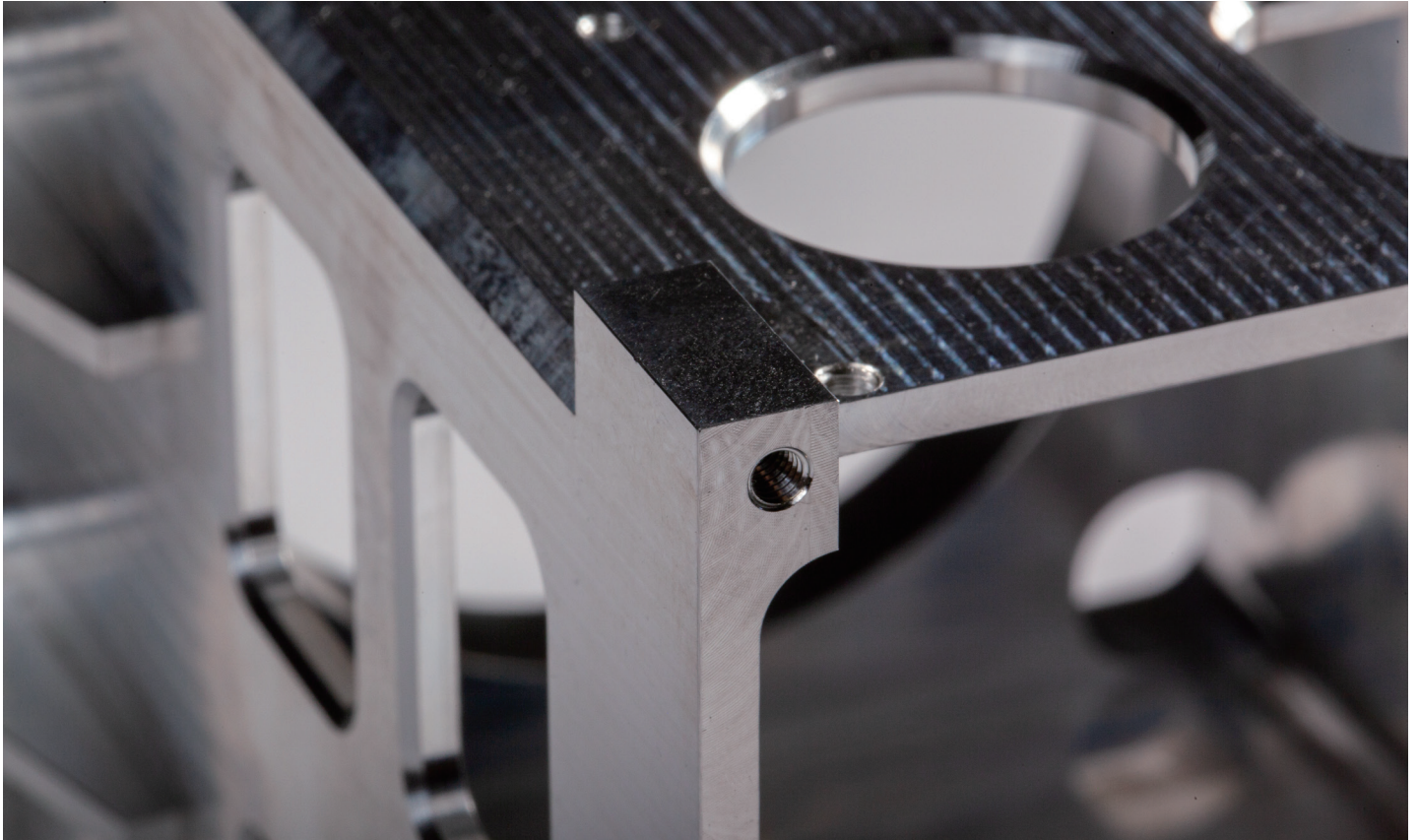


### Various Specifications

Customized standard Connections and cable variants upon request.



## Precision Cavity Machining



### Gantry Machining

Able to process large cavities and parts over 1 meter, meeting complex processing needs.



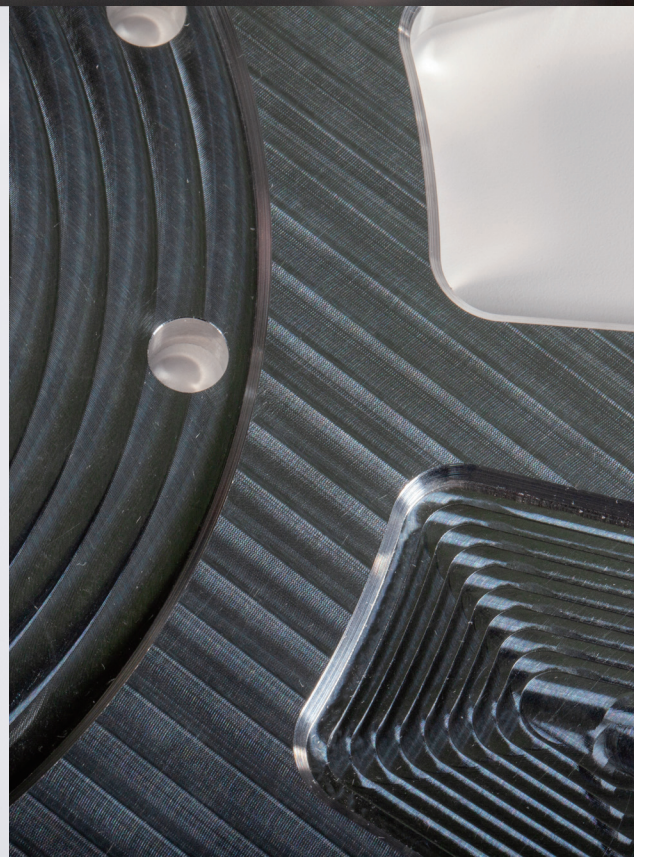
### Vertical Machining

More than 10 three-axis vertical machining centers, multi-axis linkage processing, integrated multi-process.

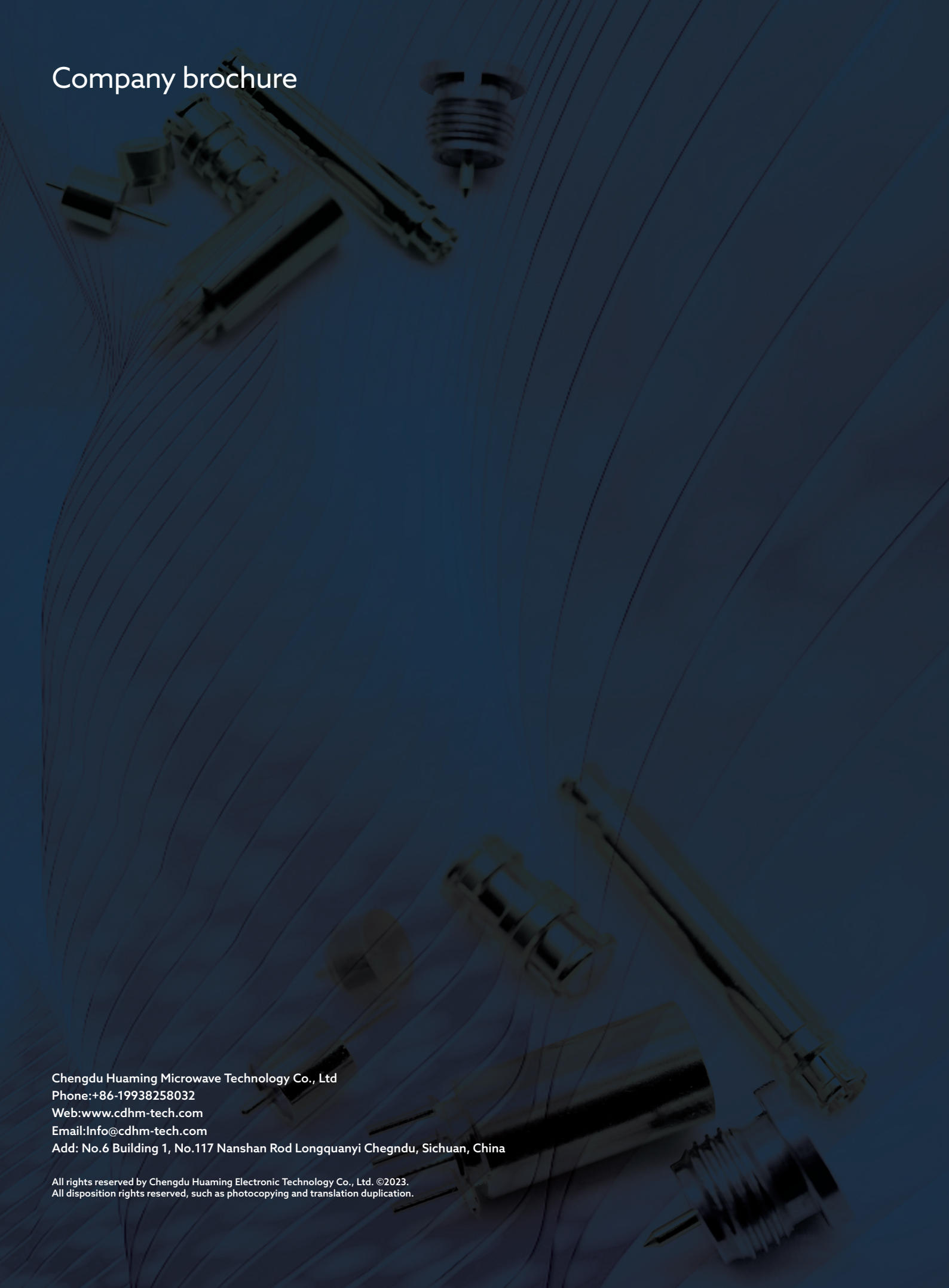


### Outstanding Accuracy

The processing accuracy can reach 0.02mm both for large (over 1.5m) and small microwave cavities.



# Company brochure



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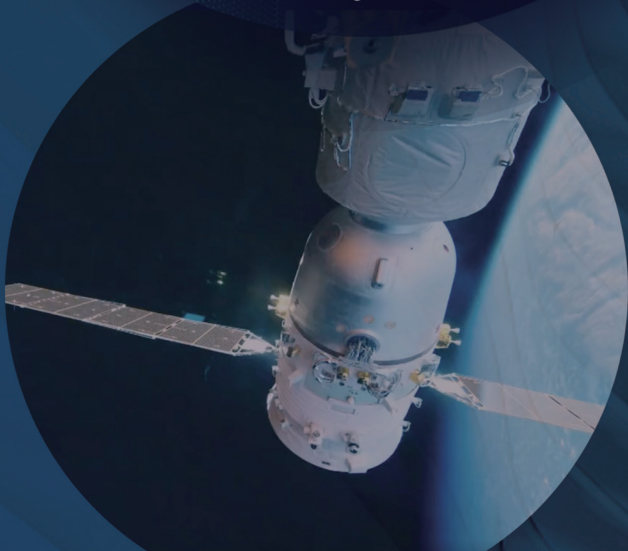
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微波射频连接解决方案供应商



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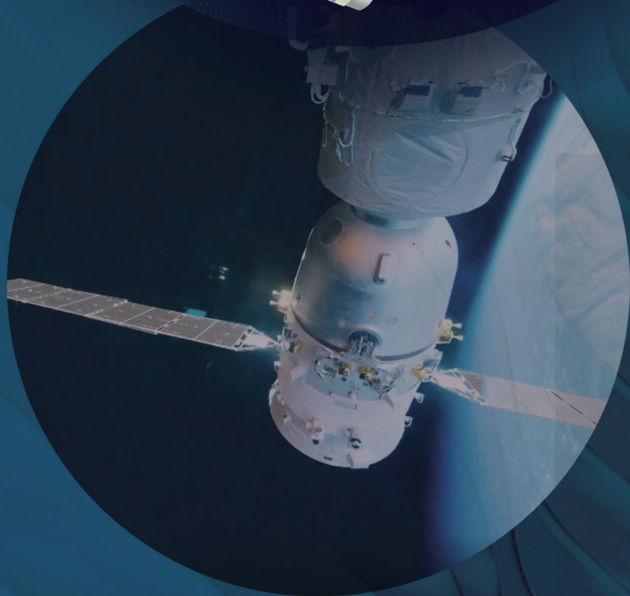
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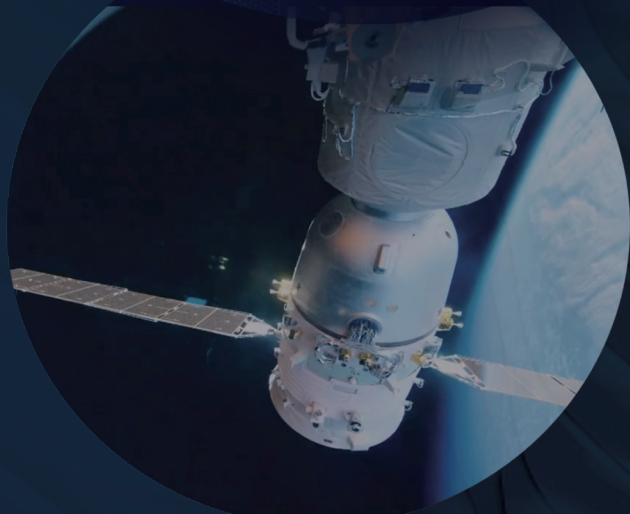
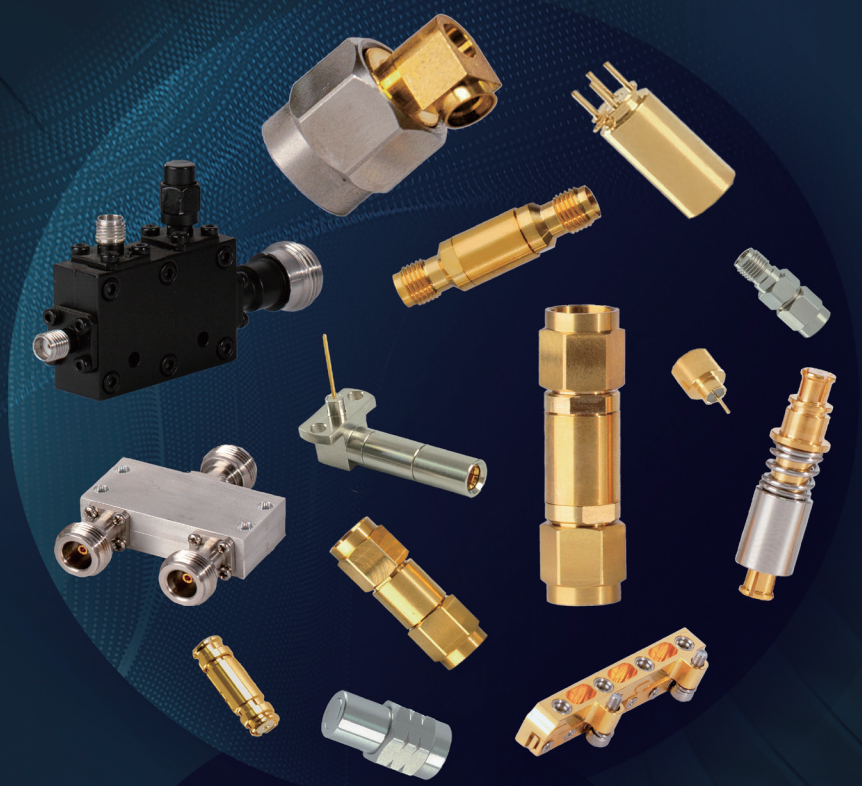




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# RF Connectors



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# 变更记录

版本	变更日期	变更人	变更页数	变更内容
V1.1	2/18/23	胡锦涛	35-43	SMA 接头名称错误, K 改正为 J
V1.12	2/18/23	胡锦涛	103	2.4 负载渲染图片型号与标注不符 - 标注已更改
V1.13	2/18/23	胡锦涛	49	SSMA-KFD13G 界面图片有误 - 图片已更改