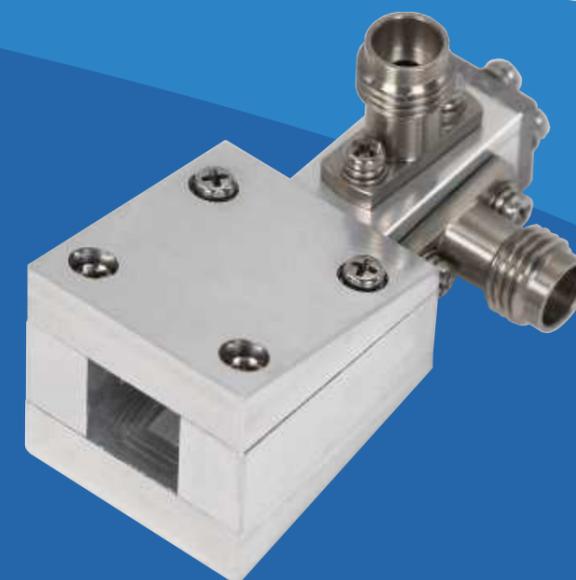


# ANTENNA SELECTION MANUAL

FOCUS ON RF FIELD



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BEIJING YUEXIANG TECHNOLOGY CO.,LTD

## ENTERPRISE INTRODUCTION

### BEIJING YUEXIANG TECHNOLOGY CO., LTD

Beijing YERSON Technology Co., Ltd. with radio frequency (RF) and microwave technology as its core, has always been dedicated to the research, development, and innovation of microwave devices and instruments. It provides users with five major product categories, including RF and microwave active & passive devices, connectors and cables, instruments, communication testing, and testing system solutions. Additionally, it offers one-stop customized interconnection communication solutions, continuously empowering fields such as communication testing, radar, electronic countermeasures, industrial microwaves, aerospace, satellite communication, civil communication, medical electronics, and automotive consumption. The company strives to promote digitization and informatization, accelerating the construction of a new intelligent and interconnected world that harmoniously integrates humans with nature.

### MARKET AND SERVICE



Aerospace

Advanced communication and signal monitoring technologies serve the armed forces and air traffic control, ensuring the safety of critical infrastructure, as well as providing precise testing and measurement equipment for the aerospace and defense sectors.



Wireless Communication

Cutting-edge broadcast television, post-production, and test and measurement equipment suitable for network operators, broadcasters, studios, the film industry, and manufacturers of electronic entertainment equipment.



Research Institutes and Laboratories

High-precision communication and signal monitoring technologies relied upon by research institutes and laboratories to ensure the smooth progress of scientific research projects and advanced testing and measurement equipment for technological innovation.



Commercial Aircraft

Advanced communication and signal monitoring technologies serve as critical infrastructure products that safeguard the safety of commercial aircraft, alongside precise testing and measurement equipment tailored for the aerospace sector.



Ships

It provides solid technical support for the safe navigation and efficient operation of ships, ensuring both safety and efficiency during maritime voyages.



Medical Equipment

The application of advanced technologies and equipment provides robust safeguards for the safe and efficient operation of medical equipment, laying a solid foundation for the continuous development of the medical industry.

## HONORS AND CERTIFICATES



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## STANDARD GAIN HORN ANTENNA

### Series Introduction »

Standard gain horn antenna designed for testing, measurement, and communication applications in the microwave and millimeter wave frequency bands. The use of precision machined horn structures and high-quality materials ensures that the antenna has high gain and low sidelobe characteristics, effectively improving signal transmission efficiency and anti-interference ability. Through carefully designed waveguide interfaces and gradient structures, the antenna has a low standing wave ratio over a wide frequency range, ensuring the stability and reliability of signal transmission. Using high-strength aluminum alloy material, the surface has undergone anodizing treatment, which has good corrosion resistance and mechanical strength. Standard flange interface for easy installation and disassembly. Its excellent performance, reliable quality, and wide range of application scenarios make it an ideal choice for engineers and researchers.



### Product Features

- Broadband frequency, high gain
- Excellent directionality and linear polarization
- Light weight, high reliability, and long lifespan

### Typical applications

- Antenna communication system
- Antenna measurement and calibration
- Research and experimentation

### Environmental

Specification temperature	+25°C
Operation temperature	-40°C~+85°C
Polarization	Linear

## Electronic and mechanical characteristics

Model	Frequency range	Gain (dB)	Standing wave	Cross-polarization	Joint
YX-SGH340-10-A	2.2-3.3	10	1.15:1	WR-340	
YX-SGH340-10-C-NF	2.2-3.3	10	1.25:1	WR-340	N-Female
YX-SGH340-10-C-SF	2.2-3.3	10	1.25:1	WR-340	SMA-Female
YX-SGH340-10-C-7/16F	2.2-3.3	10	1.25:1	WR-340	7-16DIN-Female
YX-SGH340-15-A	2.2-3.3	15	1.15:1	WR-340	
YX-SGH340-15-C-NF	2.2-3.3	15	1.25:1	WR-340	N-Female
YX-SGH340-15-C-SF	2.2-3.3	15	1.25:1	WR-340	SMA-Female
YX-SGH340-15-C-7/16F	2.2-3.3	15	1.25:1	WR-340	7-16DIN-Female
YX-SGH340-20-A	2.2-3.3	20	1.15:1	WR-340	
YX-SGH340-20-C-NF	2.2-3.3	20	1.25:1	WR-340	N-Female
YX-SGH340-20-C-SF	2.2-3.3	20	1.25:1	WR-340	SMA-Female
YX-SGH340-20-C-7/16F	2.2-3.3	20	1.25:1	WR-340	7-16DIN-Female
YX-SGH284-10-A	2.6-3.95	10	1.15:1	WR-284	
YX-SGH284-10-C-NF	2.6-3.95	10	1.25:1	WR-284	N-Female
YX-SGH284-10-C-SF	2.6-3.95	10	1.25:1	WR-284	SMA-Female
YX-SGH284-10-C-7/16F	2.6-3.95	10	1.25:1	WR-284	7-16DIN-Female
YX-SGH284-15-A	2.6-3.95	15	1.15:1	WR-284	
YX-SGH284-15-C-NF	2.6-3.95	15	1.25:1	WR-284	N-Female
YX-SGH284-15-C-SF	2.6-3.95	15	1.25:1	WR-284	SMA-Female
YX-SGH284-15-C-7/16F	2.6-3.95	15	1.25:1	WR-284	7-16DIN-Female
YX-SGH284-20-A	2.6-3.95	20	1.15:1	WR-284	
YX-SGH284-20-C-NF	2.6-3.95	20	1.25:1	WR-284	N-Female
YX-SGH284-20-C-SF	2.6-3.95	20	1.25:1	WR-284	SMA-Female
YX-SGH284-20-C-7/16F	2.6-3.95	20	1.25:1	WR-284	7-16DIN-Female
YX-SGH229-10-A	3.3-4.9	10	1.15:1	WR-229	
YX-SGH229-10-A-DM	3.3-4.9	10	1.15:1	WR-229	
YX-SGH229-10-C-NF	3.3-4.9	10	1.25:1	WR-229	N-Female
YX-SGH229-10-C-SF	3.3-4.9	10	1.25:1	WR-229	SMA-Female
YX-SGH229-10-C-TNCF	3.3-4.9	10	1.25:1	WR-229	TNC-Female
YX-SGH229-10-C-7F	3.3-4.9	10	1.25:1	WR-229	7mm-Female
YX-SGH229-10-C-APC3.5F	3.3-4.9	10	1.25:1	WR-229	APC3.5-Female
YX-SGH229-15-A	3.3-4.9	15	1.15:1	WR-229	
YX-SGH229-15-A-DM	3.3-4.9	15	1.15:1	WR-229	
YX-SGH229-15-C-NF	3.3-4.9	15	1.25:1	WR-229	N-Female
YX-SGH229-15-C-SF	3.3-4.9	15	1.25:1	WR-229	SMA-Female
YX-SGH229-15-C-TNCF	3.3-4.9	15	1.25:1	WR-229	TNC-Female
YX-SGH229-15-C-7F	3.3-4.9	15	1.25:1	WR-229	7mm-Female
YX-SGH229-15-C-APC3.5F	3.3-4.9	15	1.25:1	WR-229	APC3.5-Female

## Electronic and mechanical characteristics

Model	Frequency range	Gain (dB)	Standing wave	Cross-polarization	Joint
YX-SGH229-20-A	3.3-4.9	20	1.15:1	WR-229	
YX-SGH229-20-A-DM	3.3-4.9	20	1.15:1	WR-229	
YX-SGH229-20-C-NF	3.3-4.9	20	1.25:1	WR-229	N-Female
YX-SGH229-20-C-SF	3.3-4.9	20	1.25:1	WR-229	SMA-Female
YX-SGH229-20-C-TNCF	3.3-4.9	20	1.25:1	WR-229	TNC-Female
YX-SGH229-20-C-7F	3.3-4.9	20	1.25:1	WR-229	7mm-Female
YX-SGH229-20-C-APC3.5F	3.3-4.9	20	1.25:1	WR-229	APC3.5-Female
YX-SGH187-10-A	3.95-5.85	10	1.15:1	WR-187	
YX-SGH187-10-A-DM	3.95-5.85	10	1.15:1	WR-187	
YX-SGH187-10-C-NF	3.95-5.85	10	1.25:1	WR-187	N-Female
YX-SGH187-10-C-SF	3.95-5.85	10	1.25:1	WR-187	SMA-Female
YX-SGH187-10-C-TNCF	3.95-5.85	10	1.25:1	WR-187	TNC-Female
YX-SGH187-10-C-7F	3.95-5.85	10	1.25:1	WR-187	7mm-Female
YX-SGH187-10-C-APC3.5F	3.95-5.85	10	1.25:1	WR-187	APC3.5-Female
YX-SGH187-15-A	3.95-5.85	15	1.15:1	WR-187	
YX-SGH187-15-A-DM	3.95-5.85	15	1.15:1	WR-187	
YX-SGH187-15-C-NF	3.95-5.85	15	1.25:1	WR-187	N-Female
YX-SGH187-15-C-SF	3.95-5.85	15	1.25:1	WR-187	SMA-Female
YX-SGH187-15-C-TNCF	3.95-5.85	15	1.25:1	WR-187	TNC-Female
YX-SGH187-15-C-7F	3.95-5.85	15	1.25:1	WR-187	7mm-Female
YX-SGH187-15-C-APC3.5F	3.95-5.85	15	1.25:1	WR-187	APC3.5-Female
YX-SGH187-20-A	3.95-5.85	20	1.15:1	WR-187	
YX-SGH187-20-A-DM	3.95-5.85	20	1.15:1	WR-187	
YX-SGH187-20-C-NF	3.95-5.85	20	1.25:1	WR-187	N-Female
YX-SGH187-20-C-SF	3.95-5.85	20	1.25:1	WR-187	SMA-Female
YX-SGH187-20-C-TNCF	3.95-5.85	20	1.25:1	WR-187	TNC-Female
YX-SGH187-20-C-7F	3.95-5.85	20	1.25:1	WR-187	7mm-Female
YX-SGH187-20-C-APC3.5F	3.95-5.85	20	1.25:1	WR-187	APC3.5-Female
YX-SGH187-25-A	3.95-5.85	25	1.15:1	WR-187	
YX-SGH187-25-A-DM	3.95-5.85	25	1.15:1	WR-187	
YX-SGH187-25-C-NF	3.95-5.85	25	1.25:1	WR-187	N-Female
YX-SGH187-25-C-SF	3.95-5.85	25	1.25:1	WR-187	SMA-Female
YX-SGH187-25-C-TNCF	3.95-5.85	25	1.25:1	WR-187	TNC-Female
YX-SGH187-25-C-7F	3.95-5.85	25	1.25:1	WR-187	7mm-Female
YX-SGH187-25-C-APC3.5F	3.95-5.85	25	1.25:1	WR-187	APC3.5-Female
YX-SGH159-10-A	4.9-7.05	10	1.15:1	WR-159	
YX-SGH159-10-A-DM	4.9-7.05	10	1.15:1	WR-159	
YX-SGH159-10-C-NF	4.9-7.05	10	1.25:1	WR-159	N-Female

## Electronic and mechanical characteristics

Model	Frequency range	Gain (dB)	Standing wave	Cross-polarization	Joint
YX-SGH1159-10-C-SF	4.9-7.05	10	1.25:1	WR-159	SMA-Female
YX-SGH159-10-C-TNCF	4.9-7.05	10	1.25:1	WR-159	TNC-Female
YX-SGH159-10-C-7F	4.9-7.05	10	1.25:1	WR-159	7mm-Female
YX-SGH159-10-C-APC3.5F	4.9-7.05	10	1.25:1	WR-159	APC3.5-Female
YX-SGH159-15-A	4.9-7.05	15	1.15:1	WR-159	
YX-SGH159-15-A-DM	4.9-7.05	15	1.15:1	WR-159	
YX-SGH159-15-C-NF	4.9-7.05	15	1.25:1	WR-159	N-Female
YX-SGH159-15-C-SF	4.9-7.05	15	1.25:1	WR-159	SMA-Female
YX-SGH159-15-C-TNCF	4.9-7.05	15	1.25:1	WR-159	TNC-Female
YX-SGH159-15-C-7F	4.9-7.05	15	1.25:1	WR-159	7mm-Female
YX-SGH159-15-C-APC3.5F	4.9-7.05	15	1.25:1	WR-159	APC3.5-Female
YX-SGH159-20-A	4.9-7.05	20	1.15:1	WR-159	
YX-SGH159-20-A-DM	4.9-7.05	20	1.15:1	WR-159	
YX-SGH159-20-C-NF	4.9-7.05	20	1.25:1	WR-159	N-Female
YX-SGH159-20-C-SF	4.9-7.05	20	1.25:1	WR-159	SMA-Female
YX-SGH159-20-C-TNCF	4.9-7.05	20	1.25:1	WR-159	TNC-Female
YX-SGH159-20-C-7F	4.9-7.05	20	1.25:1	WR-159	7mm-Female
YX-SGH159-20-C-APC3.5F	4.9-7.05	20	1.25:1	WR-159	APC3.5-Female
YX-SGH159-25-A	4.9-7.05	25	1.15:1	WR-159	
YX-SGH159-25-A-DM	4.9-7.05	25	1.15:1	WR-159	
YX-SGH159-25-C-NF	4.9-7.05	25	1.25:1	WR-159	N-Female
YX-SGH159-25-C-SF	4.9-7.05	25	1.25:1	WR-159	SMA-Female
YX-SGH159-25-C-TNCF	4.9-7.05	25	1.25:1	WR-159	TNC-Female
YX-SGH159-25-C-7F	4.9-7.05	25	1.25:1	WR-159	7mm-Female
YX-SGH159-25-C-APC3.5F	4.9-7.05	25	1.25:1	WR-159	APC3.5-Female
YX-SGH137-10-A	5.85-8.2	10	1.15:1	WR-137	
YX-SGH137-10-A-DM	5.85-8.2	10	1.15:1	WR-137	
YX-SGH137-10-C-NF	5.85-8.2	10	1.25:1	WR-137	N-Female
YX-SGH137-10-C-SF	5.85-8.2	10	1.25:1	WR-137	SMA-Female
YX-SGH137-10-C-TNCF	5.85-8.2	10	1.25:1	WR-137	TNC-Female
YX-SGH137-10-C-7F	5.85-8.2	10	1.25:1	WR-137	7mm-Female
YX-SGH137-10-C-APC3.5F	5.85-8.2	10	1.25:1	WR-137	APC3.5-Female
YX-SGH137-15-A	5.85-8.2	15	1.15:1	WR-137	
YX-SGH137-15-A-DM	5.85-8.2	15	1.15:1	WR-137	
YX-SGH137-15-C-NF	5.85-8.2	15	1.25:1	WR-137	N-Female
YX-SGH137-15-C-SF	5.85-8.2	15	1.25:1	WR-137	SMA-Female
YX-SGH137-15-C-TNCF	5.85-8.2	15	1.25:1	WR-137	TNC-Female
YX-SGH137-15-C-7F	5.85-8.2	15	1.25:1	WR-137	7mm-Female

## Electronic and mechanical characteristics

Model	Frequency range	Gain (dB)	Standing wave	Cross-polarization	Joint
YX-SGH137-15-C-APC3.5F	5.85-8.2	15	1.25:1	WR-137	APC3.5-Female
YX-SGH137-20-A	5.85-8.2	20	1.15:1	WR-137	
YX-SGH137-20-A-DM	5.85-8.2	20	1.15:1	WR-137	
YX-SGH137-20-C-NF	5.85-8.2	20	1.25:1	WR-137	N-Female
YX-SGH137-20-C-SF	5.85-8.2	20	1.25:1	WR-137	SMA-Female
YX-SGH137-20-C-TNCF	5.85-8.2	20	1.25:1	WR-137	TNC-Female
YX-SGH137-20-C-7F	5.85-8.2	20	1.25:1	WR-137	7mm-Female
YX-SGH137-20-C-APC3.5F	5.85-8.2	20	1.25:1	WR-137	APC3.5-Female
YX-SGH137-25-A	5.85-8.2	25	1.15:1	WR-137	
YX-SGH137-25-A-DM	5.85-8.2	25	1.15:1	WR-137	
YX-SGH137-25-C-NF	5.85-8.2	25	1.25:1	WR-137	N-Female
YX-SGH137-25-C-SF	5.85-8.2	25	1.25:1	WR-137	SMA-Female
YX-SGH137-25-C-TNCF	5.85-8.2	25	1.25:1	WR-137	TNC-Female
YX-SGH137-25-C-7F	5.85-8.2	25	1.25:1	WR-137	7mm-Female
YX-SGH137-25-C-APC3.5F	5.85-8.2	25	1.25:1	WR-137	APC3.5-Female
YX-SGH112-10-A	7.05-10	10	1.15:1	WR-112	
YX-SGH112-10-A-DM	7.05-10	10	1.15:1	WR-112	
YX-SGH112-10-C-NF	7.05-10	10	1.25:1	WR-112	N-Female
YX-SGH112-10-C-SF	7.05-10	10	1.25:1	WR-112	SMA-Female
YX-SGH112-10-C-TNCF	7.05-10	10	1.25:1	WR-112	TNC-Female
YX-SGH112-10-C-7F	7.05-10	10	1.25:1	WR-112	7mm-Female
YX-SGH112-10-C-APC3.5F	7.05-10	10	1.25:1	WR-112	APC3.5-Female
YX-SGH112-15-A	7.05-10	15	1.15:1	WR-112	
YX-SGH112-15-A-DM	7.05-10	15	1.15:1	WR-112	
YX-SGH112-15-C-NF	7.05-10	15	1.25:1	WR-112	N-Female
YX-SGH112-15-C-SF	7.05-10	15	1.25:1	WR-112	SMA-Female
YX-SGH112-15-C-TNCF	7.05-10	15	1.25:1	WR-112	TNC-Female
YX-SGH112-15-C-7F	7.05-10	15	1.25:1	WR-112	7mm-Female
YX-SGH112-15-C-APC3.5F	7.05-10	15	1.25:1	WR-112	APC3.5-Female
YX-SGH112-20-A	7.05-10	20	1.15:1	WR-112	
YX-SGH112-20-A-DM	7.05-10	20	1.15:1	WR-112	
YX-SGH112-20-C-NF	7.05-10	20	1.25:1	WR-112	N-Female
YX-SGH112-20-C-SF	7.05-10	20	1.25:1	WR-112	SMA-Female
YX-SGH112-20-C-TNCF	7.05-10	20	1.25:1	WR-112	TNC-Female
YX-SGH112-20-C-7F	7.05-10	20	1.25:1	WR-112	7mm-Female
YX-SGH112-20-C-APC3.5F	7.05-10	20	1.25:1	WR-112	APC3.5-Female
YX-SGH112-25-A	7.05-10	25	1.15:1	WR-112	
YX-SGH112-25-A-DM	7.05-10	25	1.15:1	WR-112	

## Electronic and mechanical characteristics

Model	Frequency range	Gain (dB)	Standing wave	Cross-polarization	Joint
YX-SGH112-25-C-NF	7.05-10	25	1.25:1	WR-112	N-Female
YX-SGH112-25-C-SF	7.05-10	25	1.25:1	WR-112	SMA-Female
YX-SGH112-25-C-TNCF	7.05-10	25	1.25:1	WR-112	TNC-Female
YX-SGH112-25-C-7F	7.05-10	25	1.25:1	WR-112	7mm-Female
YX-SGH112-25-C-APC3.5F	7.05-10	25	1.25:1	WR-112	APC3.5-Female
YX-SGH90-10-A	8.2-12.4	10	1.15:1	WR-90	
YX-SGH90-10-A-DM	8.2-12.4	10	1.15:1	WR-90	
YX-SGH90-10-C-NF	8.2-12.4	10	1.25:1	WR-90	N-Female
YX-SGH90-10-C-SF	8.2-12.4	10	1.25:1	WR-90	SMA-Female
YX-SGH90-10-C-TNCF	8.2-12.4	10	1.25:1	WR-90	TNC-Female
YX-SGH90-10-C-7F	8.2-12.4	10	1.25:1	WR-90	7mm-Female
YX-SGH90-10-C-APC3.5F	8.2-12.4	10	1.25:1	WR-90	APC3.5-Female
YX-SGH90-15-A	8.2-12.4	15	1.15:1	WR-90	
YX-SGH90-15-A-DM	8.2-12.4	15	1.15:1	WR-90	
YX-SGH90-15-C-NF	8.2-12.4	15	1.25:1	WR-90	N-Female
YX-SGH90-15-C-SF	8.2-12.4	15	1.25:1	WR-90	SMA-Female
YX-SGH90-15-C-TNCF	8.2-12.4	15	1.25:1	WR-90	TNC-Female
YX-SGH90-15-C-7F	8.2-12.4	15	1.25:1	WR-90	7mm-Female
YX-SGH90-15-C-APC3.5F	8.2-12.4	15	1.25:1	WR-90	APC3.5-Female
YX-SGH90-20-A	8.2-12.4	20	1.15:1	WR-90	
YX-SGH90-20-A-DM	8.2-12.4	20	1.15:1	WR-90	
YX-SGH90-20-C-NF	8.2-12.4	20	1.25:1	WR-90	N-Female
YX-SGH90-20-C-SF	8.2-12.4	20	1.25:1	WR-90	SMA-Female
YX-SGH90-20-C-TNCF	8.2-12.4	20	1.25:1	WR-90	TNC-Female
YX-SGH90-20-C-7F	8.2-12.4	20	1.25:1	WR-90	7mm-Female
YX-SGH90-20-C-APC3.5F	8.2-12.4	20	1.25:1	WR-90	APC3.5-Female
YX-SGH90-25-A	8.2-12.4	25	1.15:1	WR-90	
YX-SGH90-25-A-DM	8.2-12.4	25	1.15:1	WR-90	
YX-SGH90-25-C-NF	8.2-12.4	25	1.25:1	WR-90	N-Female
YX-SGH90-25-C-SF	8.2-12.4	25	1.25:1	WR-90	SMA-Female
YX-SGH90-25-C-TNCF	8.2-12.4	25	1.25:1	WR-90	TNC-Female
YX-SGH90-25-C-7F	8.2-12.4	25	1.25:1	WR-90	7mm-Female
YX-SGH90-25-C-APC3.5F	8.2-12.4	25	1.25:1	WR-90	APC3.5-Female
YX-SGH75-10-A	10-15	10	1.15:1	WR-75	
YX-SGH75-10-C-NF	10-15	10	1.25:1	WR-75	N-Female
YX-SGH75-10-C-SF	10-15	10	1.25:1	WR-75	SMA-Female
YX-SGH75-10-C-TNCF	10-15	10	1.25:1	WR-75	TNC-Female
YX-SGH75-10-C-7F	10-15	10	1.25:1	WR-75	7mm-Female

## Electronic and mechanical characteristics

Model	Frequency range	Gain (dB)	Standing wave	Cross-polarization	Joint
YX-SGH75-10-C-APC3.5F	10-15	10	1.25:1	WR-75	APC3.5-Female
YX-SGH75-15-A	10-15	15	1.15:1	WR-75	
YX-SGH75-15-C-NF	10-15	15	1.25:1	WR-75	N-Female
YX-SGH75-15-C-SF	10-15	15	1.25:1	WR-75	SMA-Female
YX-SGH75-15-C-TNCF	10-15	15	1.25:1	WR-75	TNC-Female
YX-SGH75-15-C-7F	10-15	15	1.25:1	WR-75	7mm-Female
YX-SGH75-15-C-APC3.5F	10-15	15	1.25:1	WR-75	APC3.5-Female
YX-SGH75-20-A	10-15	20	1.15:1	WR-75	
YX-SGH75-20-C-NF	10-15	20	1.25:1	WR-75	N-Female
YX-SGH75-20-C-SF	10-15	20	1.25:1	WR-75	SMA-Female
YX-SGH75-20-C-TNCF	10-15	20	1.25:1	WR-75	TNC-Female
YX-SGH75-20-C-7F	10-15	20	1.25:1	WR-75	7mm-Female
YX-SGH75-20-C-APC3.5F	10-15	20	1.25:1	WR-75	APC3.5-Female
YX-SGH75-25-A	10-15	25	1.15:1	WR-75	
YX-SGH75-25-C-NF	10-15	25	1.25:1	WR-75	N-Female
YX-SGH75-25-C-SF	10-15	25	1.25:1	WR-75	SMA-Female
YX-SGH75-25-C-TNCF	10-15	25	1.25:1	WR-75	TNC-Female
YX-SGH75-25-C-7F	10-15	25	1.25:1	WR-75	7mm-Female
YX-SGH75-25-C-APC3.5F	10-15	25	1.25:1	WR-75	APC3.5-Female
YX-SGH62-10-A	12.4-18	10	1.15:1	WR-62	
YX-SGH62-10-C-NF	12.4-18	10	1.25:1	WR-62	N-Female
YX-SGH62-10-C-SF	12.4-18	10	1.25:1	WR-62	SMA-Female
YX-SGH62-10-C-TNCF	12.4-18	10	1.25:1	WR-62	TNC-Female
YX-SGH62-10-C-7F	12.4-18	10	1.25:1	WR-62	7mm-Female
YX-SGH62-10-C-APC3.5F	12.4-18	10	1.25:1	WR-62	APC3.5-Female
YX-SGH62-15-A	12.4-18	15	1.15:1	WR-62	
YX-SGH62-15-C-NF	12.4-18	15	1.25:1	WR-62	N-Female
YX-SGH62-15-C-SF	12.4-18	15	1.25:1	WR-62	SMA-Female
YX-SGH62-15-C-TNCF	12.4-18	15	1.25:1	WR-62	TNC-Female
YX-SGH62-15-C-7F	12.4-18	15	1.25:1	WR-62	7mm-Female
YX-SGH62-15-C-APC3.5F	12.4-18	15	1.25:1	WR-62	APC3.5-Female
YX-SGH62-20-A	12.4-18	20	1.15:1	WR-62	
YX-SGH62-20-C-NF	12.4-18	20	1.25:1	WR-62	N-Female
YX-SGH62-20-C-SF	12.4-18	20	1.25:1	WR-62	SMA-Female
YX-SGH62-20-C-TNCF	12.4-18	20	1.25:1	WR-62	TNC-Female
YX-SGH62-20-C-7F	12.4-18	20	1.25:1	WR-62	7mm-Female
YX-SGH62-20-C-APC3.5F	12.4-18	20	1.25:1	WR-62	APC3.5-Female
YX-SGH62-25-A	12.4-18	25	1.15:1	WR-62	

## Electronic and mechanical characteristics

Model	Frequency range	Gain (dB)	Standing wave	Cross-polarization	Joint
YX-SGH62-25-C-NF	12.4-18	25	1.25:1	WR-62	N-Female
YX-SGH62-25-C-SF	12.4-18	25	1.25:1	WR-62	SMA-Female
YX-SGH62-25-C-TNCF	12.4-18	25	1.25:1	WR-62	TNC-Female
YX-SGH62-25-C-7F	12.4-18	25	1.25:1	WR-62	7mm-Female
YX-SGH62-25-C-APC3.5F	12.4-18	25	1.25:1	WR-62	APC3.5-Female
YX-SGH51-10-A	15-22	10	1.15:1	WR-51	
YX-SGH51-10-C-SF	15-22	10	1.25:1	WR-51	SMA-Female
YX-SGH51-15-A	15-22	15	1.15:1	WR-51	
YX-SGH51-15-C-SF	15-22	15	1.25:1	WR-51	SMA-Female
YX-SGH51-20-A	15-22	20	1.15:1	WR-51	
YX-SGH51-20-C-SF	15-22	20	1.25:1	WR-51	SMA-Female
YX-SGH51-25-A	15-22	25	1.15:1	WR-51	
YX-SGH51-25-C-SF	15-22	25	1.25:1	WR-51	SMA-Female
YX-SGH42-10-A	18-26.5	10	1.15:1	WR-42	
YX-SGH42-10-C-SMAF	18-26.5	10	1.25:1	WR-42	SMA-Female
YX-SGH42-10-C-KF	18-26.5	10	1.25:1	WR-42	K-Female
YX-SGH42-10-C-KM	18-26.5	10	1.25:1	WR-42	K-Male
YX-SGH42-15-A	18-26.5	15	1.15:1	WR-42	
YX-SGH42-15-C-SF	18-26.5	15	1.25:1	WR-42	SMA-Female
YX-SGH42-15-C-KF	18-26.5	15	1.25:1	WR-42	K-Female
YX-SGH42-15-C-KM	18-26.5	15	1.25:1	WR-42	K-Male
YX-SGH42-20-A	18-26.5	20	1.15:1	WR-42	
YX-SGH42-20-C-SF	18-26.5	20	1.25:1	WR-42	SMA-Female
YX-SGH42-20-C-KF	18-26.5	20	1.25:1	WR-42	K-Female
YX-SGH42-20-C-KM	18-26.5	20	1.25:1	WR-42	K-Male
YX-SGH42-25-A	18-26.5	25	1.15:1	WR-42	
YX-SGH42-25-C-SF	18-26.5	25	1.25:1	WR-42	SMA-Female
YX-SGH42-25-C-KF	18-26.5	25	1.25:1	WR-42	K-Female
YX-SGH42-25-C-KM	18-26.5	25	1.25:1	WR-42	K-Male
YX-SGH34-10-A	22-33	10	1.15:1	WR-34	
YX-SGH34-10-C-KF	22-33	10	1.25:1	WR-34	K-Female
YX-SGH34-15-A	22-33	15	1.15:1	WR-34	
YX-SGH34-15-C-KF	22-33	15	1.25:1	WR-34	K-Female
YX-SGH34-20-A	22-33	20	1.15:1	WR-34	
YX-SGH34-20-C-KF	22-33	20	1.25:1	WR-34	K-Female
YX-SGH34-25-A	22-33	25	1.15:1	WR-34	
YX-SGH34-25-C-KF	22-33	25	1.25:1	WR-34	K-Female
YX-SGH28-10-A	26.5-40	10	1.15:1	WR-28	

## Electronic and mechanical characteristics

Model	Frequency range	Gain (dB)	Standing wave	Cross-polarization	Joint
YX-SGH28-10-C-SMAF	26.5-40	10	1.25:1	WR-28	SMA-Female
YX-SGH28-10-C-KF	26.5-40	10	1.25:1	WR-28	K-Female
YX-SGH28-10-C-KM	26.5-40	10	1.25:1	WR-28	K-Male
YX-SGH28-10-C-OS2.4F	26.5-40	10	1.25:1	WR-28	OS2.4-Female
YX-SGH28-15-A	26.5-40	15	1.15:1	WR-28	
YX-SGH28-15-C-SMAF	26.5-40	15	1.25:1	WR-28	SMA-Female
YX-SGH28-15-C-KF	26.5-40	15	1.25:1	WR-28	K-Female
YX-SGH28-15-C-KM	26.5-40	15	1.25:1	WR-28	K-Male
YX-SGH28-15-C-OS2.4F	26.5-40	15	1.25:1	WR-28	OS2.4-Female
YX-SGH28-20-A	26.5-40	20	1.15:1	WR-28	
YX-SGH28-20-C-SF	26.5-40	20	1.25:1	WR-28	SMA-Female
YX-SGH28-20-C-KF	26.5-40	20	1.25:1	WR-28	K-Female
YX-SGH28-20-C-KM	26.5-40	20	1.25:1	WR-28	K-Male
YX-SGH28-20-C-OS2.4F	26.5-40	20	1.25:1	WR-28	OS2.4-Female
YX-SGH28-25-A	26.5-40	25	1.15:1	WR-28	
YX-SGH28-25-C-SF	26.5-40	25	1.25:1	WR-28	SMA-Female
YX-SGH28-25-C-KF	26.5-40	25	1.25:1	WR-28	K-Female
YX-SGH28-25-C-KM	26.5-40	25	1.25:1	WR-28	K-Male
YX-SGH28-25-C-OS2.4F	26.5-40	25	1.25:1	WR-28	OS2.4-Female
YX-SGH22-10-A	33-50	10	1.15:1	WR-22	
YX-SGH22-10-C-OS2.4F	33-50	10	1.30:1	WR-22	OS2.4-Female
YX-SGH22-15-A	33-50	15	1.15:1	WR-22	
YX-SGH22-15-C-OS2.4F	33-50	15	1.30:1	WR-22	OS2.4-Female
YX-SGH22-20-A	33-50	20	1.15:1	WR-22	
YX-SGH22-20-C-OS2.4F	33-50	20	1.25:1	WR-22	OS2.4-Female
YX-SGH22-25-A	33-50	25	1.15:1	WR-22	
YX-SGH22-25-C-OS2.4F	33-50	25	1.30:1	WR-22	OS2.4-Female
YX-SGH19-10-A	40-60	10	1.15:1	WR-19	
YX-SGH19-10-C-OS2.4F	40-60	10	1.25:1	WR-19	OS2.4-Female
YX-SGH19-10-C-V1.85F	40-60	10	1.25:1	WR-19	V1.85-Female
YX-SGH19-15-A	40-60	15	1.15:1	WR-19	
YX-SGH19-15-C-OS2.4F	40-60	15	1.25:1	WR-19	OS2.4-Female
YX-SGH19-15-C-V1.85F	40-60	15	1.25:1	WR-19	V1.85-Female
YX-SGH19-20-A	40-60	20	1.15:1	WR-19	
YX-SGH19-20-C-OS2.4F	40-60	20	1.25:1	WR-19	OS2.4-Female
YX-SGH19-20-C-V1.85F	40-60	20	1.25:1	WR-19	V1.85-Female
YX-SGH19-25-A	40-60	25	1.15:1	WR-19	
YX-SGH19-25-C-OS2.4F	40-60	25	1.25:1	WR-19	OS2.4-Female

### Electronic and mechanical characteristics

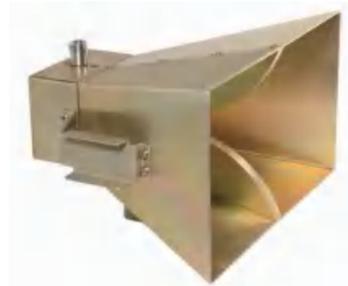
Model	Frequency range	Gain (dB)	Standing wave	Cross-polarization	Joint
YX-SGH19-25-C-V1.85F	40-60	25	1.25:1	WR-19	V1.85-Female
YX-SGH15-10-A	50-75	10	1.20:1	WR-15	
YX-SGH15-10-C-V1.85F	50-75	10	2.0:1	WR-15	V1.85-Female
YX-SGH15-10-C-1.0F	50-75	10	2.0:1	WR-15	1.0mm-Female
YX-SGH15-15-A	50-75	15	1.15:1	WR-15	
YX-SGH15-15-C-V1.85F	50-75	15	2.0:1	WR-15	V1.85-Female
YX-SGH15-15-C-1.0F	50-75	15	2.0:1	WR-15	1.0mm-Female
YX-SGH15-20-A	50-75	20	1.1:1	WR-15	
YX-SGH15-20-C-V1.85F	50-75	20	1.5:1	WR-15	V1.85-Female
YX-SGH15-20-C-1.0F	50-75	20	1.5:1	WR-15	1.0mm-Female
YX-SGH15-25-A	50-75	25	1.1:1	WR-15	
YX-SGH15-25-C-V1.85F	50-75	25	2.0:1	WR-15	V1.85-Female
YX-SGH15-25-C-1.0F	50-75	25	2.0:1	WR-15	1.0mm-Female
YX-SGH12-10-A	60-90	10	1.20:1	WR-12	
YX-SGH12-10-C-1.0F	60-90	10	1.4:1	WR-12	1.0mm-Female
YX-SGH12-15-A	60-90	15	1.15:1	WR-12	
YX-SGH12-15-C-1.0F	60-90	15	1.4:1	WR-12	1.0mm-Female
YX-SGH12-20-A	60-90	20	1.1:1	WR-12	
YX-SGH12-20-C-1.0F	60-90	20	1.3:1	WR-12	1.0mm-Female
YX-SGH12-25-A	60-90	25	1.1:1	WR-12	
YX-SGH12-25-C-1.0F	60-90	25	2.0:1	WR-12	1.0mm-Female
YX-SGH10-10-A	75-110	10	1.15:1	WR-10	
YX-SGH10-10-C-1.0F	75-110	10	1.5:1	WR-10	1.0mm-Female
YX-SGH10-15-A	75-110	15	1.1:1	WR-10	
YX-SGH10-15-C-1.0F	75-110	15	1.5:1	WR-10	1.0mm-Female
YX-SGH10-20-A	75-110	20	1.1:1	WR-10	
YX-SGH10-20-C-1.0F	75-110	20	1.5:1	WR-10	1.0mm-Female
YX-SGH10-25-A	75-110	25	1.1:1	WR-10	
YX-SGH10-25-C-1.0F	75-110	25	1.5:1	WR-10	1.0mm-Female
YX-SGH8-10-A	90-140	10	1.15:1	WR-8	
YX-SGH8-15-A	90-140	15	1.1:1	WR-8	
YX-SGH8-20-A	90-140	20	1.1:1	WR-8	
YX-SGH8-25-A	90-140	25	1.1:1	WR-8	
YX-SGH6-10-A	110-170	10	1.2:1	WR-6	
YX-SGH6-15-A	110-170	15	1.15:1	WR-6	
YX-SGH6-20-A	110-170	20	1.15:1	WR-6	
YX-SGH6-25-A	110-170	25	1.15:1	WR-6	
YX-SGH5-10-A	140-220	10	1.25:1	WR-5	

### Electronic and mechanical characteristics

Model	Frequency range	Gain (dB)	Standing wave	Cross-polarization	Joint
YX-SGH5-15-A	140-220	15	1.2:1	WR-5	
YX-SGH5-20-A	140-220	20	1.2:1	WR-5	
YX-SGH5-25-A	140-220	25	1.2:1	WR-5	
YX-SGH4-10-A	170-260	10	1.15:1	WR-4	
YX-SGH4-25-A	170-260	25	1.15:1	WR-4	
YX-SGH3-10-A	220-325	10	1.15:1	WR-3	
YX-SGH3-15-A	220-325	15	1.15:1	WR-3	
YX-SGH3-20-A	220-325	20	1.15:1	WR-3	
YX-SGH3-25-A	220-325	25	1.15:1	WR-3	
YX-SGH2.8-25-A	260-400	25	1.15:1	WR-2.8	
YX-SGH2.2-25-A	325-500	25	1.15:1	WR-2.2	

## Series Introduction »

The broadband dual ridge horn antenna is a high-performance antenna that adopts a unique dual ridge waveguide structure, featuring wideband, high gain, low standing wave ratio, and good directionality. It is widely used in fields such as radar, electronic warfare, satellite communication, radio astronomy, etc. The antenna adopts a carefully designed horn opening and double ridge structure, achieving excellent directional radiation characteristics. It can concentrate signal energy in a specific direction, effectively reducing signal interference, improving transmission distance and signal quality. Whether it is long-distance communication or high-precision radar systems, broadband dual ridge horn antennas can ensure precise and efficient signal transmission.



### Product Features

- Wide frequency band
- High gain
- Low standing wave ratio
- Good directional quantity
- Durable and sturdy

### Typical applications

- Radar system
- Electronic warfare
- Satellite communication
- Radio astronomy

### Electronic and mechanical characteristics

Model	Frequency range	Gain (dB)	Standing	Polarization	Joint
YX-WDB18-50H-OS2.4F	18-50	20	1.5:1	Linear	OS2.4-Female
YX-WDB18-110H-1.0mmF	18-110	14	1.5:1	Linear	1.0mm-Female
YX-WDB18-50-OS2.4F	18-50	15	1.5:1	Linear	OS2.4-Female
YX-WDB18-40H-OS2.4F	18-40	20	1.5:1	Linear	OS2.4-Female
YX-WDB18-40H-KM	18-40	20	1.5:1	Linear	K-Male
YX-WDB18-40H-KF	18-40	20	1.5:1	Linear	K-Female
YX-WDB18-40-OS2.4F	18-40	15	1.5:1	Linear	OS2.4-Female

### Electronic and mechanical characteristics

Model	Frequency range	Gain (dB)	Standing	Polarization	Joint
YX-WDB18-40-KM	18-40	15	1.5:1	Linear	K-Male
YX-WDB18-40-KF	18-40	15	1.5:1	Linear	K-Female
YX-WDB14-110H-1.0F	8-18	13	1.5:1	Linear	1.0mm-Female
YX-WDB10-110H-1.0F	8-18	13	1.5:1	Linear	1.0mm-Female
YX-WDB8-18-SF	8-18	10	1.5:1	Linear	SMA-Female
YX-WDB8-18-NF	8-18	10	1.5:1	Linear	N-Female
YX-WDB6-67-V1.85F	6-67	13	1.5:1	Linear	V1.85-Female
YX-WDB6-18-NF	6-18	10	1.5:1	Linear	N-Female
YX-WDB4.5-50-KF	4.5-50	13	1.5:1	Linear	K-Female
YX-WDB4.5-50-OS2.4F	4.5-50	13	1.5:1	Linear	OS2.4-Female
YX-WDB4-40-OS2.4F	4-40	13	1.5:1	Linear	OS2.4-Female
YX-WDB4-40-KF	4-40	13	1.5:1	Linear	K-Female
YX-WDB2-26.5-APC3.5F	2-26.5	13	1.5:1	Linear	APC3.5-Female
YX-WDB2-24.5-SF	2-24.5	13	1.5:1	Linear	SMA-Female
YX-WDB2-20H-SF	2-20	17	1.5:1	Linear	SMA-Female
YX-WDB2-26.5-SF	2-26.5	13	1.5:1	Linear	SMA-Female
YX-WDB2-20H-NF	2-20	17	1.5:1	Linear	N-Female
YX-WDB2-20-SF	2-20	12	1.5:1	Linear	SMA-Female
YX-WDB2-20-NF	2-20	12	1.5:1	Linear	N-Female
YX-WDB2-18H-SF	2-18	17	1.5:1	Linear	SMA-Female
YX-WDB2-18H-NF	2-18	17	1.5:1	Linear	N-Female
YX-WDB2-18-SF	2-18	12	1.5:1	Linear	SMA-Female
YX-WDB2-18-NF	2-18	12	1.5:1	Linear	N-Female
YX-WDB2-8-SF	2-8	12	1.5:1	Linear	SMA-Female
YX-WDB2-8-NF	2-8	12	1.5:1	Linear	N-Female
YX-WDB2-6H-SF	2-6	15	1.5:1	Linear	SMA-Female
YX-WDB2-6H-NF	2-6	15	1.5:1	Linear	N-Female
YX-WDB1-20-SF	1-20	11	1.5:1	Linear	SMA-Female
YX-WDB1-20-NF	1-20	11	1.5:1	Linear	N-Female
YX-WDB1-18-SF	1-18	11	1.5:1	Linear	SMA-Female
YX-WDB1-18-NF	1-18	11	1.5:1	Linear	N-Female
YX-WDB1-12.5-SF	1-12.5	11	1.5:1	Linear	SMA-Female
YX-WDB1-12.5-NF	1-12.5	11	1.5:1	Linear	N-Female
YX-WDB1-8-SF	1-8	11	1.5:1	Linear	SMA-Female
YX-WDB1-8-NF	1-8	11	1.5:1	Linear	N-Female
YX-WDB1-6-NF	1-6	10.6-17.4	2.5max	Linear	N-Female
YX-WDB1-2.5-SF	1-2.5	15	1.5:1	Linear	SMA-Female

### Electronic and mechanical characteristics

Model	Frequency range	Gain (dB)	Standing	Polarization	Joint
YX-WDB1-2.5-NF	1-2.5	15	1.5:1	Linear	N-Female
YX-WDB1-2.5-7/16F	1-2.5	15	1.5:1	Linear	7-16DIN-Female
YX-WDB0.8-18-SF	0.8-18	12	1.5:1	Linear	SMA-Female
YX-WDB0.8-18-NF	0.8-18	12	1.5:1	Linear	N-Female
YX-WDB0.8-8-SF	0.8-8	10	1.5:1	Linear	SMA-Female
YX-WDB0.8-8-NF	0.8-8	10	1.5:1	Linear	N-Female
YX-WDB0.7-18-SF	0.7-18	12	2.0:1	Linear	SMA-Female
YX-WDB0.7-18-NF	0.7-18	12	2.0:1	Linear	N-Female
YX-WDB0.7-8-SF	0.7-8	10	2.0:1	Linear	SMA-Female
YX-WDB0.7-8-NF	0.7-8	10	2.0:1	Linear	N-Female
YX-WDB0.6-6-NF	0.6-6	11	2.0:1	Linear	N-Female
YX-WDB0.5-6-NF	0.5-6	11	2.0:1	Linear	N-Female
YX-WDB0.5-3-NF	0.5-3	11	2.0:1	Linear	N-Female
YX-WDB0.4-6-NF	0.4-6	10	2.0:1	Linear	N-Female
YX-WDB0.2-2.5-7/16F	0.2-2.5	12	2.0:1	Linear	7-16DIN-Female
YX-WDB0.1-1-NF	0.1-1	8	2.5:1	Linear	N-Female
YX-WDB0.2-2.5-NF	0.2-2.5	12	2.0:1	Linear	N-Female

## WIDE-BAND DUL POLARIZED HORN ANTENNA

### Series Introduction»

The broadband blunt polarization horn antenna is a high-performance antenna that utilizes unique blunt polarization technology and horn antenna structure. Wide frequency coverage range, meeting the requirements of multi band signal transmission. Ensure signal transmission efficiency and reduce energy loss. Effectively suppress cross polarization and improve signal quality. Made of high-quality materials to adapt to various harsh environments. It is widely used in fields such as satellite communication, radar, electronic countermeasures, radio astronomy, etc.



### Electronic and mechanical characteristics

Model	Frequency range	Gain (dB)	Standing wave	Cross-polarization	Joint
YX-CDL2-18-14	2-18	6-21	2.5:1	20	SMA-Female
YX-CDL1-10-14SMAF	1-10	10	2.0:1	20	SMA-Female
YX-CDL1-10-15NF	1-10	10	2.0:1	20	N-Female
YX-CDL1-18-14SMAF	1-18	5.5-23	2.5:1	20	SMA-Female
YX-CDL1-18-12SMAF	2-18	6.5-20	2.5:1	20	SMA-Female
YX-CDL2-18-12NF	2-18	6.5-20	2.5:1	20	N-Female
YX-CDL3-40-12KF	3-40	12	2.0:1	20	K-Female
YX-CDL3-40-12OS2.4F	3-40	12	2.0:1	20	OS2.4-Female
YX-CDL4-18-9SMAF	4-18	6.0-12	2.5:1	20	SMA-Female
YX-CDL4-18-9NF	4-18	6.0-12	2.5:1	20	N-Female
YX-CDL4-24-12SMAF	4-24	11.0-13	2.5:1	20	SMA-Female
YX-CDL4-40-12KF	4-40	12	2.0:1	20	K-Female
YX-CDL4-40-12OS2.4F	4-40	12	2.0:1	20	OS2.4-Female
YX-CDL6-18-11.5SMA-F	6-18	8.0-15	2.5:1	20	SMA-Female
YX-CDL18-40-13.5KF	18-40	11.5-16	2.5:1	20	K-Female
YX-CDL6-44-10OS2.4F	6-44	4.5-13	2.5:1	20	OS2.4-Female
YX-CDL24-44-16.5OS2.4F	24-44	13.7-16.5	2.0:1	20	OS2.4-Female

## Series Introduction »

Coaxial connector waveguide probe is a key device used to connect coaxial transmission lines with waveguide systems. Provide multiple types of coaxial connectors that are compatible with different device interfaces. Adopting precision machining and assembly processes to ensure efficient and low loss transmission of signals between two types of transmission lines. Minimize signal attenuation to ensure measurement accuracy. Wide coverage frequency range, meeting various testing needs.



## Electronic and mechanical characteristics

Model	Frequency range	Gain (dB)	Standing wave	Cross-polarization	Joint
YX-OW340-N	2.17-3.3	5	2.0:1	30	N-Female
YX-OW284-N	2.6-3.95	5	2.0:1	30	N-Female
YX-OW229-N	3.22-4.9	5	2.0:1	30	N-Female
YX-OW187-N	3.94-4.99	5	2.0:1	30	N-Female
YX-OW159-N	4.64-7.05	5	2.0:1	30	N-Female
YX-OW137-N	5.38-8.17	5	2.0:1	30	N-Female
YX-OW112-SMA	6.57-9.99	5	2.0:1	30	SMA-Female
YX-OW90-SMA	8.2-12.4	5	2.0:1	30	SMA-Female
YX-OW75-SMA	9.84-15	5	2.0:1	35	SMA-Female
YX-OW62-SMA	11.9-18	5	2.0:1	30	SMA-Female
YX-OW51-SMA	14.5-22	5	2.0:1	35	SMA-Female
YX-OW42-K2.92	18-26.5	5	2.0:1	35	K2.92-Female
YX-OW34-K2.92	22-33	5	2.0:1	35	K2.93-Female
YX-OW28-K2.92	26.5-40	5	2.0:1	35	K2.94-Female
YX-OW22-OS2.4	33-50	5	1.5:1	35	OS2.4-Female
YX-OW19-V1.85	40-60	5	1.5:1	35	V1.85-Female
YX-OW15-V1.85	50-75	5	2.0:1	35	V1.85-Female
YX-OW12-1.0	60-90	6	2.0:1	35	1.0mm-Female
YX-OW10-1.0	75-110	6	2.0:1	35	1.0mm-Female

## Series Introduction »

The waveguide probe with waveguide port is an ideal choice for connecting waveguide systems with other microwave components due to its excellent performance and reliable connection. The probe adopts precision machining and assembly technology to ensure precise matching between the waveguide port and the connecting device, minimize signal reflection and loss, and provide accurate and reliable measurement results. Widely used in fields such as network analysis, spectrum analysis, radar systems, satellite communication, and scientific research, it provides strong support for the development of microwave technology.



## Electronic and mechanical characteristics

Model	Frequency range	Gain (dB)	Standing wave	Cross-polarization	Joint
YX-OW42	18-26.5	5	1.8:1	35	UBR220(FBP220)
YX-OW34	22-33	5	1.8:1	35	UBR260(FBP260)
YX-OW28	26.5-40	6	1.5:1	35	UBR320(FBP320)
YX-OW22	33-50	6	1.5:1	35	UG-383/U(FUGP400)
YX-OW19	40-60	6	1.5:1	35	UG-383/U-M(FUGP400)
YX-OW15	50-75	6	1.5:1	35	UG-385/U-M(FUGP620)
YX-OW12	60-90	6	1.5:1	35	UG-387/U-M(FUGP740)
YX-OW10	75-110	6	1.5:1	35	UG-387/U-M(FUGP900)
YX-OW8	90-140	6	1.5:1	30	UG-387/U-M
YX-OW6	110-170	6	1.5:1	30	UG-387/U
YX-OW5	140-220	6	1.5:1	30	UG-383/U-M
YX-OW4	170-260	6	1.5:1	30	APF4
YX-OW3	220-325	7	1.5:1	30	APF3
YX-OW2.8	260-400	7	1.5:1	30	APF2.8
YX-OW2.2	325-500	7	1.5:1	30	APF2.2

## Series Introduction »

The Cassegrain antenna adopts a combination structure of primary and secondary reflection surfaces, which can accurately focus weak signals from distant targets onto the feed source, effectively improving signal reception efficiency and bringing you clearer and more stable signals. The antenna design optimizes the shape of the reflector and the position of the feed source, achieving high gain and low noise performance, effectively improving the signal-to-noise ratio, and obtaining high-quality signals even in complex electromagnetic environments.



## Electronic and mechanical characteristics

Model	Frequency range	Gain (dB)	Standing wave	First valve	3dB beamwidth
YX-CA229-1000	3.22-4.9	28	1.5:1	-18	5.9°
YX-CA187-1000	3.94-5.99	30	1.5:1	-18	4.7°
YX-CA187-800	3.94-5.99	28	1.5:1	-18	5.9°
YX-CA159-1000	4.64-7.05	32	1.5:1	-18	3.6°
YX-CA159-800	4.64-7.05	29	1.5:1	-18	5.5°
YX-CA137-1000	5.38-8.17	33	1.5:1	-18	3.1°
YX-CA137-800	5.38-8.17	31	1.5:1	-18	4.1°
YX-CA112-1000	6.57-9.99	35	1.5:1	-18	2.3°
YX-CA112-800	6.57-9.99	32	1.5:1	-18	3.6°
YX-CA90-1000	8.2-12.5	36	1.5:1	-18	2.1°
YX-CA90-800	8.2-12.5	34	1.5:1	-18	2.6°
YX-CA90-500	8.2-12.5	30	1.5:1	-18	4.7°
YX-CA75-1000	9.84-15	37	1.5:1	-18	1.9°
YX-CA75-800	9.84-15	36	1.5:1	-18	2.1°
YX-CA75-500	9.84-15	32	1.5:1	-18	3.6°
YX-CA62-1000	11.9-18	39	1.5:1	-18	1.6°
YX-CA62-800	11.9-18	37	1.5:1	-18	1.9°
YX-CA62-500	11.9-18	33	1.5:1	-18	3.1°
YX-CA62-300	11.9-18	29	1.5:1	-18	5.5°
YX-CA51-1000	14.5-22	41	1.5:1	-18	1.3°

## Electronic and mechanical characteristics

Model	Frequency range	Gain (dB)	Standing wave	First valve	3dB beamwidth
YX-CA51-800	14.5-22	39	1.5:1	-18	1.6°
YX-CA51-500	14.5-22	35	1.5:1	-18	2.3°
YX-CA51-300	14.5-22	31	1.5:1	-18	4.1°
YX-CA42-800	18-26.5	41	1.5:1	-18	1.3°
YX-CA42-500	18-26.5	37	1.5:1	-18	1.9°
YX-CA42-300	18-26.5	32	1.5:1	-18	3.6°
YX-CA42-200	18-26.5	28	1.5:1	-18	5.9°
YX-CA34-800	21.7-33	42	1.5:1	-18	1.1°
YX-CA34-500	21.7-33	38	1.5:1	-18	1.7°
YX-CA34-300	21.7-33	34	1.5:1	-18	2.6°
YX-CA34-200	21.7-33	31	1.5:1	-18	4.1°
YX-CA28-800	26.5-40	43	1.5:1	-18	1.0°
YX-CA28-500	26.5-40	40	1.5:1	-18	1.5°
YX-CA28-300	26.5-40	35	1.5:1	-18	2.3°
YX-CA28-200	26.5-40	32	1.5:1	-18	3.6°
YX-CA22-500	33-50	42	1.5:1	-18	1.1°
YX-CA22-200	33-50	33	1.5:1	-18	3.1°
YX-CA19-500	39.2-59.6	44	1.5:1	-18	0.9°
YX-CA19-300	39.2-59.6	40	1.5:1	-18	1.5°
YX-CA19-200	39.2-59.6	35	1.5:1	-18	2.3°
YX-CA15-300	49.8-75.8	41	1.5:1	-18	1.3°
YX-CA15-200	49.8-75.8	37	1.5:1	-18	1.9°
YX-CA12-300	60.5-91.9	42	1.5:1	-18	1.1°
YX-CA12-200	60.5-91.9	39	1.5:1	-18	1.6°
YX-CA10-300	75.2-112	43	1.5:1	-18	1.0°
YX-CA10-200	75.8-112	41	1.5:1	-18	1.3°
YX-CA4-220	203.5-236.5	50	1.5:1	-15	0.4°