

WR42(BJ220)Waveguide to Coaxial Adapter

Industry Applications

- Communication System Devices:
- Detection & Satellite Equipment
- Test & Measurement
- High-end Industrial & Military Scenarios
- Customization Available



Product Description

- For seamless microwave signal conversion
- Equipped with FBP standard flange (waveguide end) and coaxial connector (signal output end) for universal equipment docking.
- Low VSWR effectively reducing signal reflection and transmission loss to ensure high-purity signal transmission.
- Adopts high-quality aluminum material; inner wall with chromate conversion treatment for optimal electrical performance, outer surface with anti-corrosion black paint for durable protection.
- Working at -25°C to +125°C, adapting to diverse complex working environments.

RF Characteristics

Name	Unit	Performance Data
Frequency Range	GHz	17.6~26.7
VSWR	Min	1.25
CW Power	W	50
Peak Power	KW	1
Connector Type	/	WR229 to SMA Female
Flange Type	/	FBP
Operating Temperature Range	℃	-25℃ to +125℃
Material	/	Aluminum

Quality Standards

- Standardized Production: Manufactured strictly in accordance with international RF microwave component specifications and industry unified quality standards.
- Full-item Parameter Testing: All core indicators including frequency band, VSWR, interface size and electrical performance are strictly calibrated and tested before delivery.
- Qualified Surface Treatment Process: Internal chromate conversion and external anti-corrosion paint processes meet industrial standards, guaranteeing long-term stable electrical performance and structural durability.
- Strict Environmental Reliability Test: Finished products pass high and low temperature cycling tests to verify extreme environment adaptability.
- Batch Quality Stability: 100% full-performance inspection for all finished products, meeting commercial, industrial and military-grade equipment matching requirements
- We provide a 12-month warranty for all products.

Mechanical Drawing

Unit: mm/ inch, General part tolerance is $\pm 2\%$ / unless otherwise stated.

