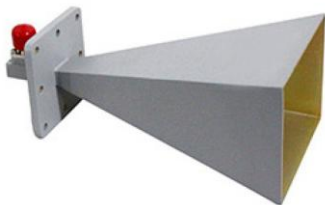


WR62 Waveguide Horn Antenna with Radome 12.4GHz-18GHz



Note: Photo is for illustration purposes only. Please refer to outline drawing.

Product Description

RW62HORN20H is a waveguide horn antenna with a frequency range of 12.4 to 18 GHz.

The gain of this horn antenna is 20dB. The VSWR is 1.5:1.

The working temperature of this product is between - 40°C and + 70°C.

Features

- Other gain versions available
- Compact size

Typical Applications

- Wireless Infrastructure
- Military and Aerospace Applications
- Test Instrumentation
- Radar Systems
- 5G Wireless Communications
- Microwave Radio Systems
- TR Modules
- Research and Development
- Cellular Base Stations

Electrical Specifications, TA = +25°C

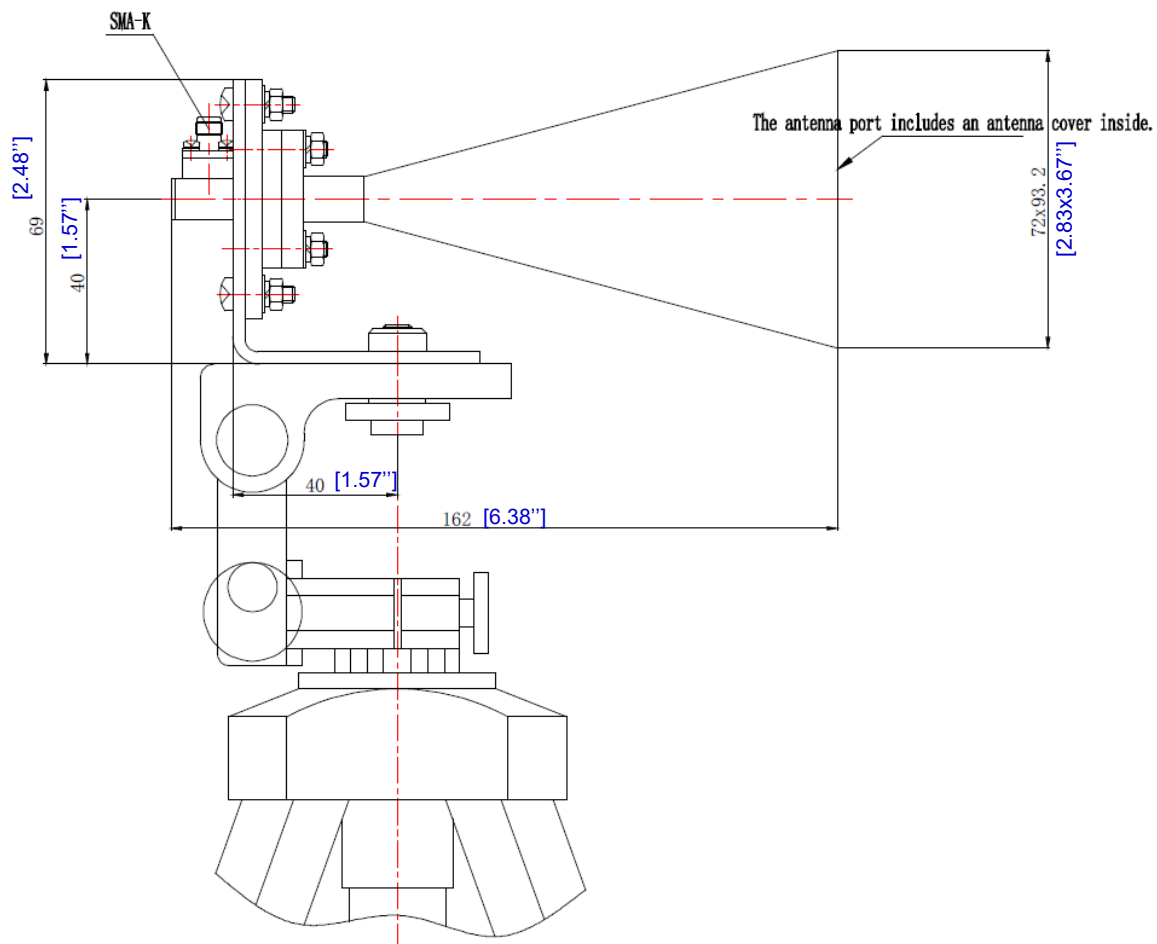
Parameter	Min	Typ	Max	Units
Frequency Range	12.4		18	GHz
Gain		20		dB
VSWR			1.5	: 1
Waveguide type		WR62		
Connector Type		SMA-Female		

Environmental Specifications and Test Standards

Parameter	Description
Operational Temperature	-40°C to +70°C (Case Temperature)
Storage Temperature	-50°C to +125°C
Thermal Shock	-40°C → +70°C (5 Cycles / 10 hours)
**Random Vibration	MIL-STD-202G Table 214-I, Test Condition Letter C 1.5 Hours Per Axis
High Temperature Burn In	Temperature +70°C for 72 Hours
Shock	1. Weight >20g, 50g half sine wave for 11ms, Speed variation 3.44m/s 2. Weight <=20g, 100g Half sine wave for 6ms, Speed variation 3.75m/s 3. Total 18 times (6 directions, 3 repetitions per direction).
Altitude	Standard: 30,000 Ft (Epoxy Sealed Controlled Environment) Optional: Hermetically Sealed (60,000 ft. 1.0 PSI min)
Hermetically Sealed (Optional)	MIL-STD-883 (For Hermetically Sealed Units)

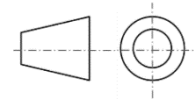
**For vibration testing details please see additional information section.

Outline Drawing



Notes:

1. Material: Copper
2. Inside finish: Silver Plated; Outside finish: Anticorrosion grey.
3. All dimensions are in millimeters [inches].
4. Standard torque wrench must be used to secure RF connectors.



Additional Information

Documentation

Connector Torque Specifications

https://www.rflambda.com/pdf/Torque_Specifications.pdf

Random Vibration Test Standard

https://www.rflambda.com/pdf/rflambda_random_vibration_MIL-STD-202G.pdf

Webpage

Ordering Information

Part Number	Modification	Description
RW62HORN20H	WR62	12.4GHz-18GHz Waveguide Horn Antenna

Important Notice

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