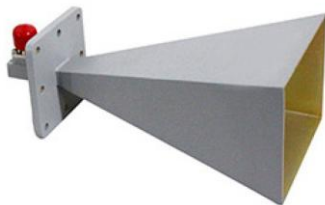


WR430 Waveguide Horn Antenna 1.72GHz-2.6GHz



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

Features

- Other gain versions available
- Compact size

Product Description

RW430HORN10B is a waveguide horn antenna with a frequency range of 1.72 to 2.6GHz.

The gain of this horn antenna is 15.5dB. The VSWR is 1.5:1.

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

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

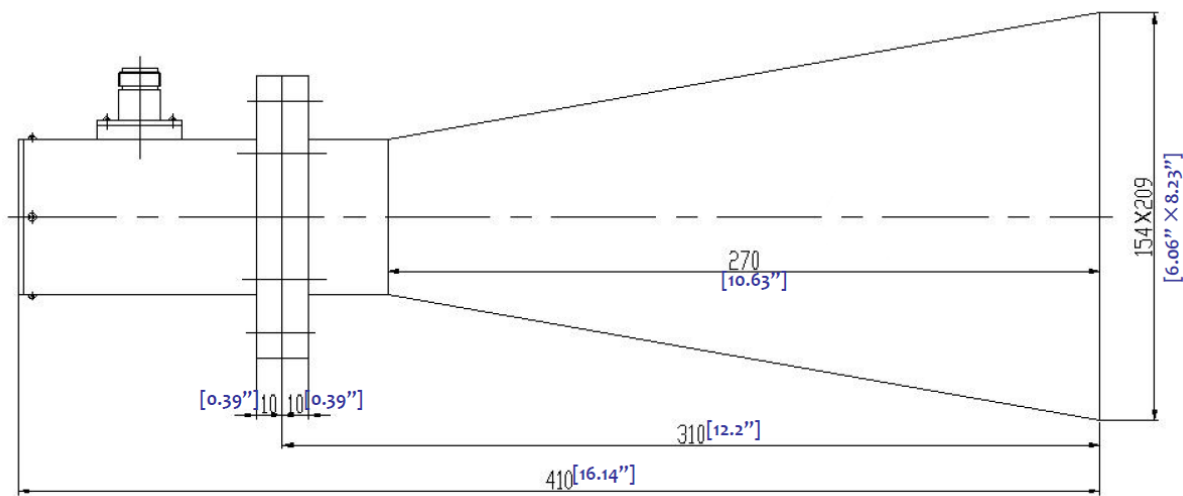
Parameter	Min	Typ	Max	Units
Frequency Range	1.72		2.6	GHz
Gain		15.5		dB
VSWR			1.5	: 1
Waveguide Type		WR430		
Connector Type		N Female		

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)

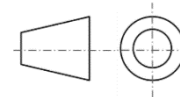
**For vibration testing details please see additional information section.

Outline Drawing



Notes:

1. Internal Body Finish: Silver Plated chromate or conversion;
2. External Body Finish: Body painted with gray/black Epoxy Enamel
3. All dimensions are in millimeters [inches].



Additional Information

Documentation	Webpage
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

Ordering Information

Part Number	Modification	Description
RW430HORN10B	WR430	1.72GHz-2.6GHz Waveguide Horn Antenna

Important Notice

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