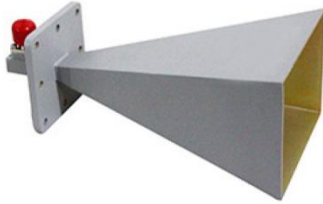




## WR28 Waveguide Gain Horn Antenna 26.5 - 40GHz



Note: The photo is for illustration purposes only.  
Please refer to the outline drawing.



**Features**

- Waveguide Horn Antenna
- Other gain versions available
- Compact size

**Typical Applications**

- Wireless Infrastructure
- Military & Aerospace
- Test and Measurement

**Electrical Specifications,  $T_A=25\text{ }^\circ\text{C}$**

Parameter	Min	Typ.	Max	Units
Frequency Range	26.5~40			GHz
Gain		15.5		dB
VSWR			1.5	: 1
Waveguide type	WR28			
Flange Type	CPRF, COVER			
Material	Brass			
Inside finish	Silver Plated chromate or Conversion			
Outside finish	Body painted with gray / Black epoxy enamel			

**Environmental Specifications and Test Standards**

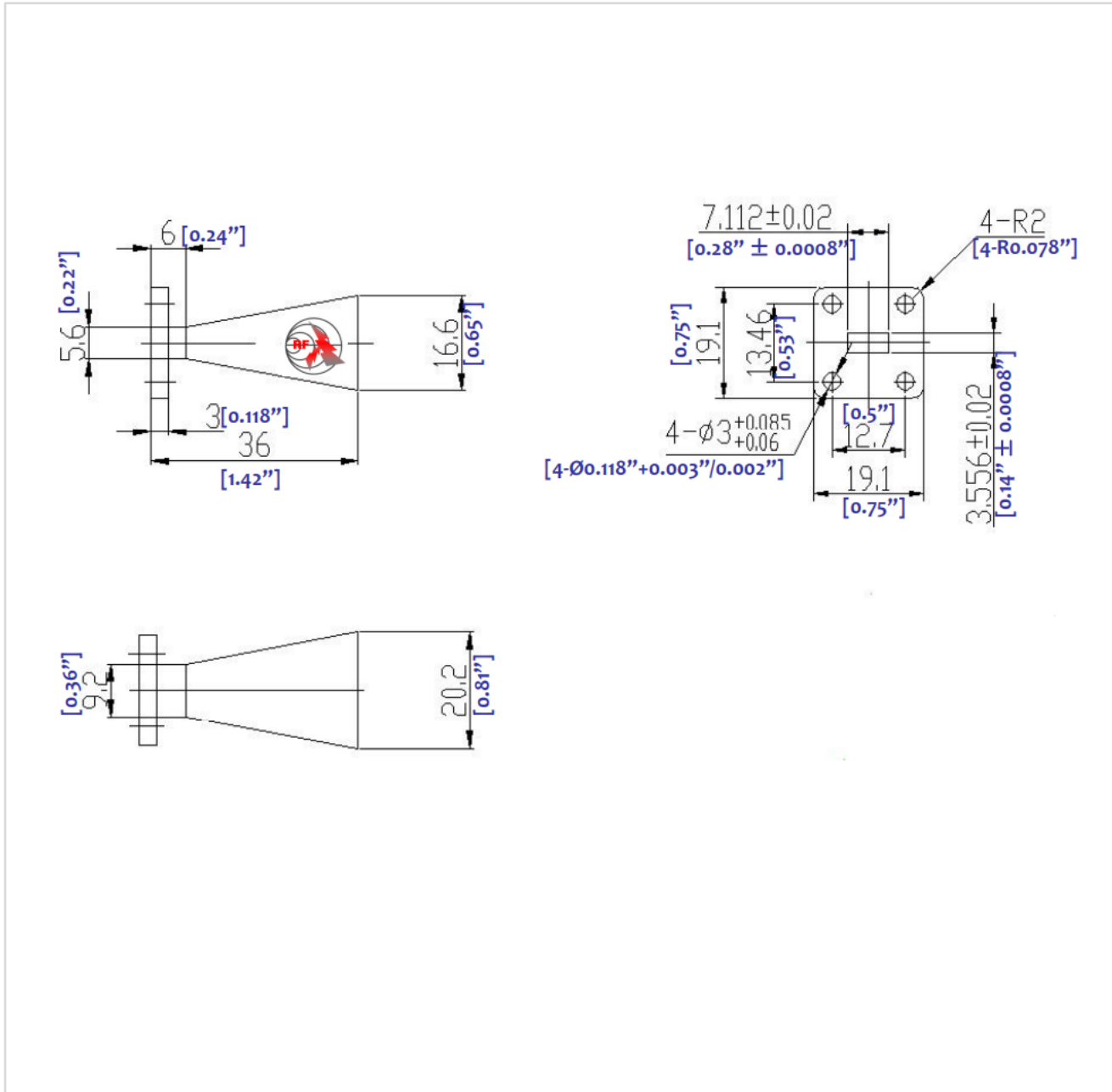
Parameter	Standard	Description
Operational Temperature	MIL-STD-39016	-40°C~+70°C
Storage Temperature		-50°C~+125°C
Thermal Shock		1 Hour@ -45°C → 1 Hour @ +85°C (5 Cycles)
Random Vibration		Acceleration Spectral Density 6 (m/s) Total 92.6 RMS
Electrical & Temperature Burn In		Temperature +85°C for 72 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	MIL-STD-883 (For Hermetically Sealed Units)

**WR28 Waveguide Gain Horn Antenna 26.5 - 40GHz**



**Outline Drawing:**

All Dimensions in mm [inches]



**WR28 Waveguide Gain Horn Antenna 26.5 - 40GHz**

**Important Notice**

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