

WR1150 Waveguide Termination 0.64GHz-0.98GHz



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

Product Description

RFWT1150A is a waveguide termination with a frequency range of 0.64 to 0.98GHz.

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

Features

- Full band operation
- Low VSWR
- Rugged mechanical configuration

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

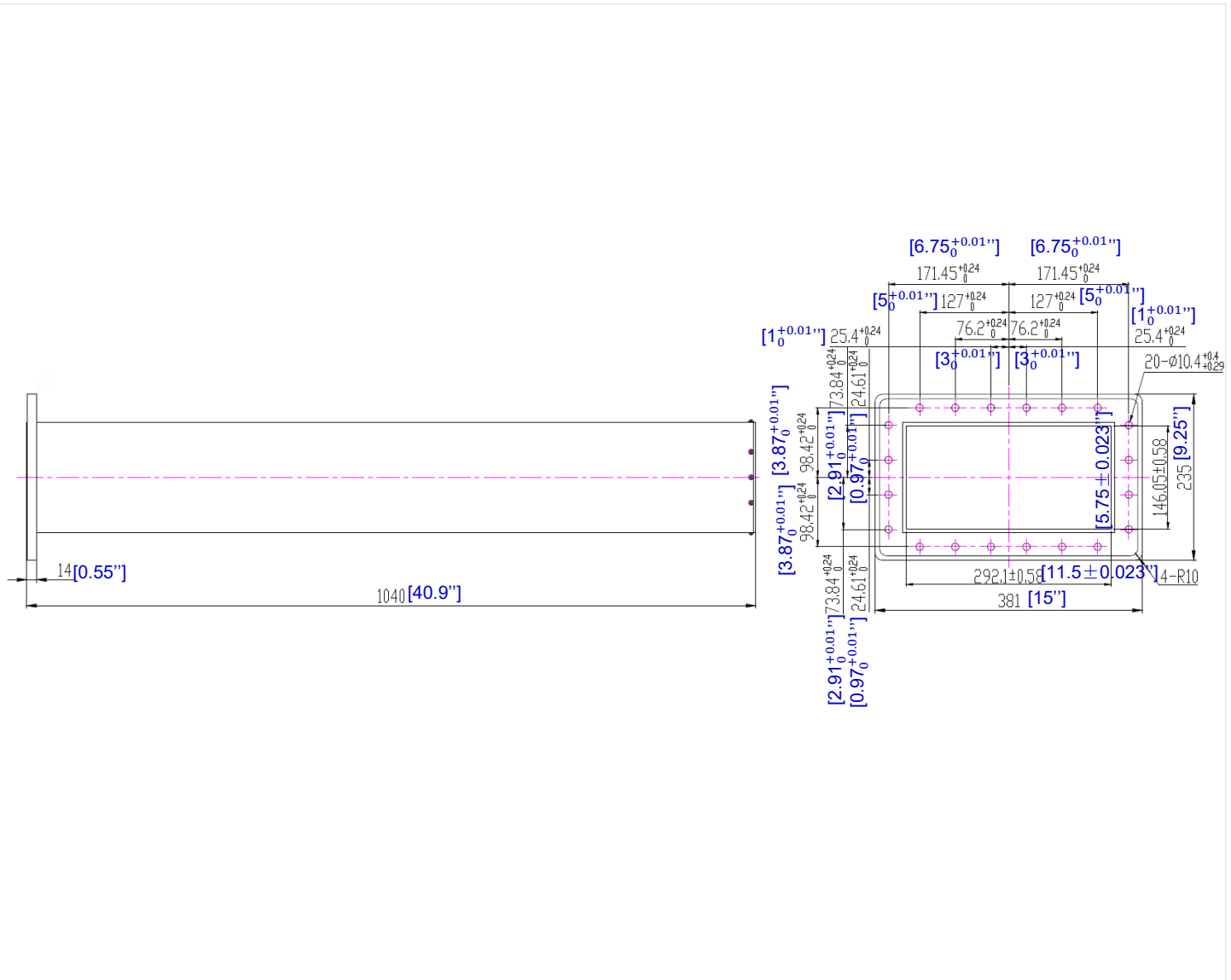
| Parameter | Min | Typ | Max | Units |
|-----------------|------|--------|-------|-------|
| Frequency Range | 0.64 | | 0.98 | GHz |
| VSWR | | | 1.05 | : 1 |
| Average Power | | 15 | | W |
| Flange Type | | | Cover | |
| Waveguide Type | | WR1150 | | |

Environmental Specifications and Test Standards

| Parameter | Description |
|-----------------------------------|---|
| Operational Temperature | -40°C to +70°C (Case Temperature) |
| Storage Temperature | -50°C to +105°C |
| Thermal Shock | -40°C → +85°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 +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 (For Hermetically Sealed Units) |

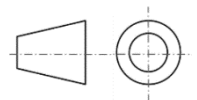
**For vibration testing details please see additional information section.

Outline Drawing



Notes:

1. Material: Aluminum
2. Inside Finish: Chromate conversion; Outside Finish: Anticorrosion grey paint
3. All dimensions are in millimeters [inches].
4. The tolerance noted is just for reference.



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 |
|-------------|--------------|---------------------------------------|
| RFWT1150A | WR1150 | 0.64GHz-0.98GHz Waveguide Termination |

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