# WR340 1000W Waveguide Termination 2.17GHz-3.3GHz

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

## Product Description

RFWT340C is a waveguide termination with a frequency range of 2.17 to 3.3GHz.

The average power handling of this termination is 1000W.

The working temperature of this product is between -40℃ and +85℃.

## 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 | 2.17 | | 3.3 | GHz |
| VSWR | | | 1.25 | : 1 |
| Average Power (CW) | | 1000 | | W |
| Weight | | 19.0 Max. | | lbs. |
| Flange Type | | CPRF | | |
| Waveguide Type | | WR340 | | |



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## Environmental Specifications and Test Standards

| Parameter | Description |
|---|---|
| Operational Temperature | -40ºC to +85ºC<br>(Case Temperature) |
| Storage Temperature | -50ºC to +105ºC |
| Thermal Shock | -40ºC → +85ºC<br>(5 Cycles / 10 hours) |
| **Random Vibration | MIL-STD-202G<br>Table 214-I, Test Condition Letter C<br>1.5 Hours Per Axis |
| High Temperature Burn In | Temperature +85ºC for 72 Hours |
| Shock | 1. Weight >20g, 50g half sine wave for 11ms, Speed variation 3.44m/s<br>2. Weight <=20g, 100g Half sine wave for 6ms, Speed variation 3.75m/s<br>3. Total 18 times (6 directions, 3 repetitions per direction). |
| Altitude | Standard: 30,000 Ft (Epoxy Sealed Controlled Environment)<br>Optional: Hermetically Sealed (60,000 ft. 1.0 PSI min) |
| Hermetically Sealed<br>(Optional) | MIL-STD-883 (For Hermetically Sealed Units) |

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



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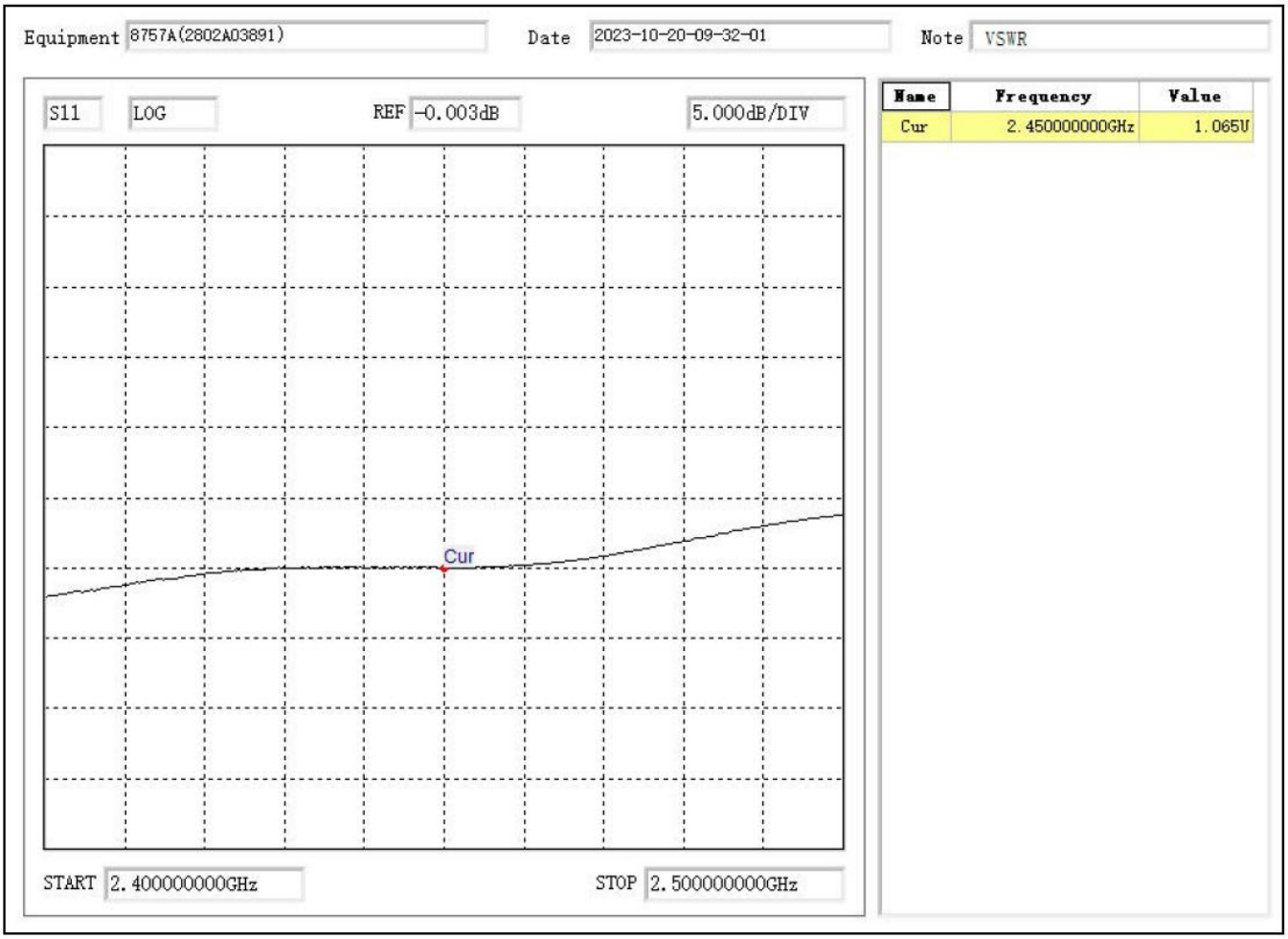
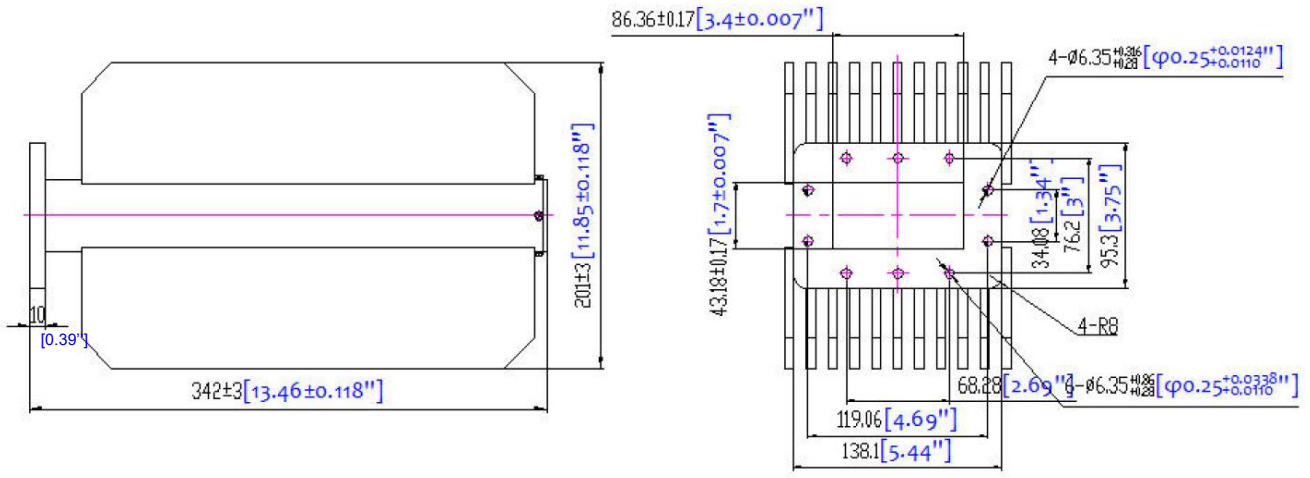
## Typical Performance Plots



## Outline Drawing




Notes:
1. Material: Aluminum
2. Inside Finish: Chromate conversion; Outside Finish: Anticorrosion grey paint.
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 |
|---|---|---|
| RFWT340C | WR340 | 2.17GHz-3.3GHz Waveguide Termination |

## Important Notice

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