

## WR1800 15W Waveguide Termination 0.41GHz-0.62GHz



### Product Description

RFWT1800A is a waveguide termination with a frequency range of 0.41 to 0.62GHz.

The maximum average power of this termination is 15W.

The working temperature of this product is between - 45°C and + 85°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

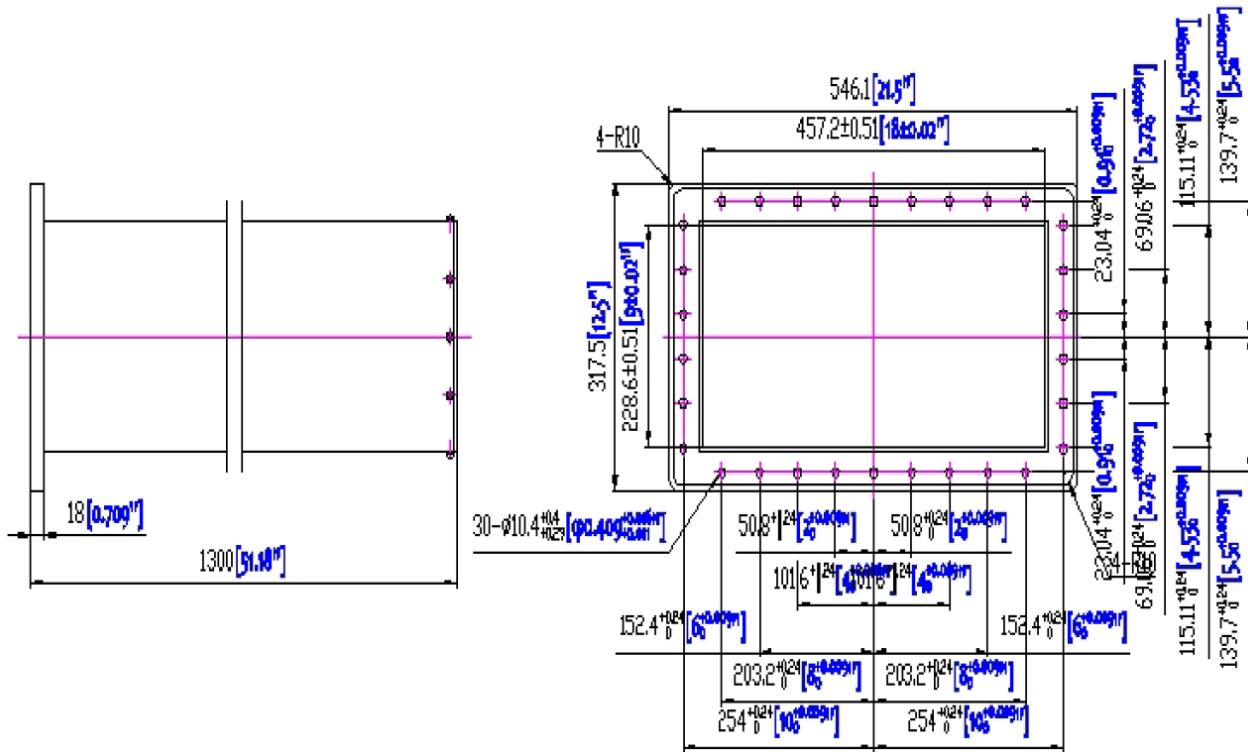
Parameter	Min	Typ	Max	Units
Frequency Range	0.41		0.62	GHz
VSWR			1.05	: 1
Average Power (CW)		15		W
Flange Type		CPRF		
Waveguide Type		WR1800		
Flange Holes		Through		

**Environmental Specifications and Test Standards**

Parameter	Description
Operational Temperature	-45°C to +85°C (Case Temperature)
Storage Temperature	-55°C to +125°C
Thermal Shock	-45°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)

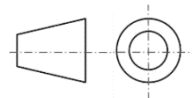
\*\*For vibration testing details please see additional information section.

**Outline Drawing**



Notes:

1. Material: Aluminum.
2. All dimensions are in millimeters [inches]



Additional Information

Documentation

Webpage

Connector Torque Specifications

[https://www.rflambda.com/pdf/Torque\\_Specifications.pdf](https://www.rflambda.com/pdf/Torque_Specifications.pdf)

Random Vibration Test Standard

[https://www.rflambda.com/pdf/rflambda\\_random\\_vibration\\_MIL-STD-202G.pdf](https://www.rflambda.com/pdf/rflambda_random_vibration_MIL-STD-202G.pdf)

**Ordering Information**

Part Number	Modification	Description
RFWT1800A	WR1800	0.41GHz-0.62GHz Waveguide Termination

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