

**Commercial Grade WR-51 Waveguide Termination  
 1 Watt With a 15 GHz to 22 GHz Frequency Range**

The FMWTR1003 is a WR-51 waveguide termination / load that operates in the frequency range of 15 GHz to 22 GHz. This WR-51 waveguide termination has a typical VSWR of 1.02:1. These waveguide termination designs are made of painted brass copper and incorporate a standard Square Cover flanges.

Fairview Microwave waveguide terminations / loads are designed so virtually all applied power is absorbed, thus assuring a low VSWR. The power rating on this WR-51 termination is 1 watt, other detailed specifications and a diagram drawing can be found on this datasheet PDF below. Fairview Microwave offers a complete family of waveguide terminations that are in-stock for same day shipment.

**Electrical Specifications**

Description	Min	Typ	Max	Units
Frequency Range	15		22	GHz
VSWR		1.02:1		
Input Power (CW)			1	Watts

**Mechanical Specifications**

Weight	0.216 lbs [97.98 g]	
Description	Flange	Waveguide
Designation	None	WR-51
Type	Square Cover	
Material	Brass	Brass

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:



**Features:**

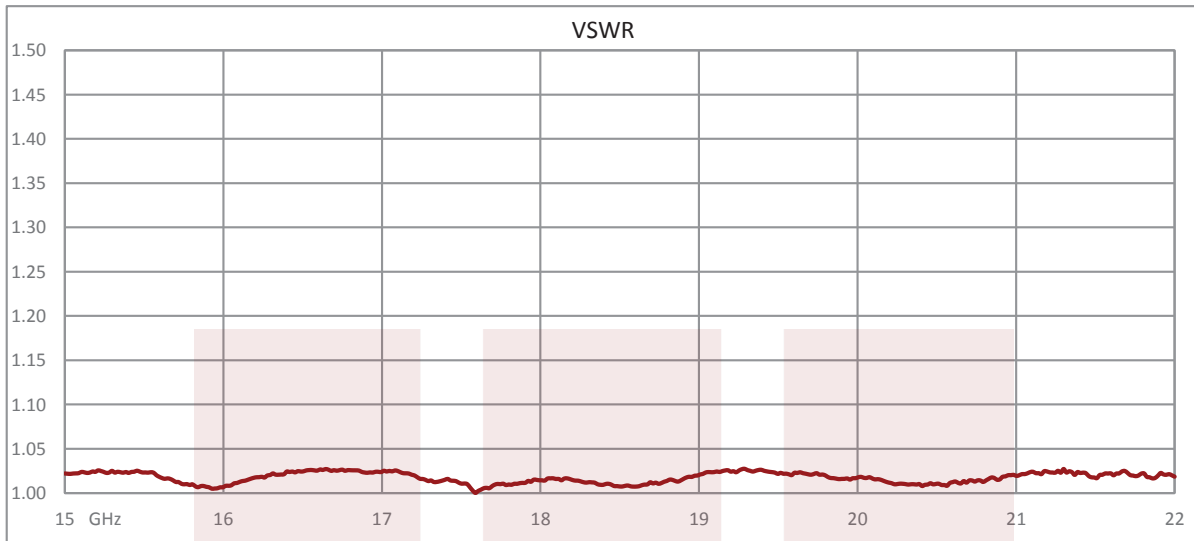
- WR-51
- 15 GHz to 22 GHz
- Square Cover Flange
- 1.02:1 Typical VSWR
- 1 Watt Average Power Handling

**Applications:**

- Radar Systems
- Military and Space
- Wireless Radio Systems
- Telecom Infrastructure
- Communication Systems
- R&D Labs
- Microwave Radio Systems

Fairview Microwave  
 1130 Junction Dr. #100  
 Allen, TX 75013  
 Tel: 1-800-715-4396 / (972) 649-6678  
 Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

**Typical Performance Data**

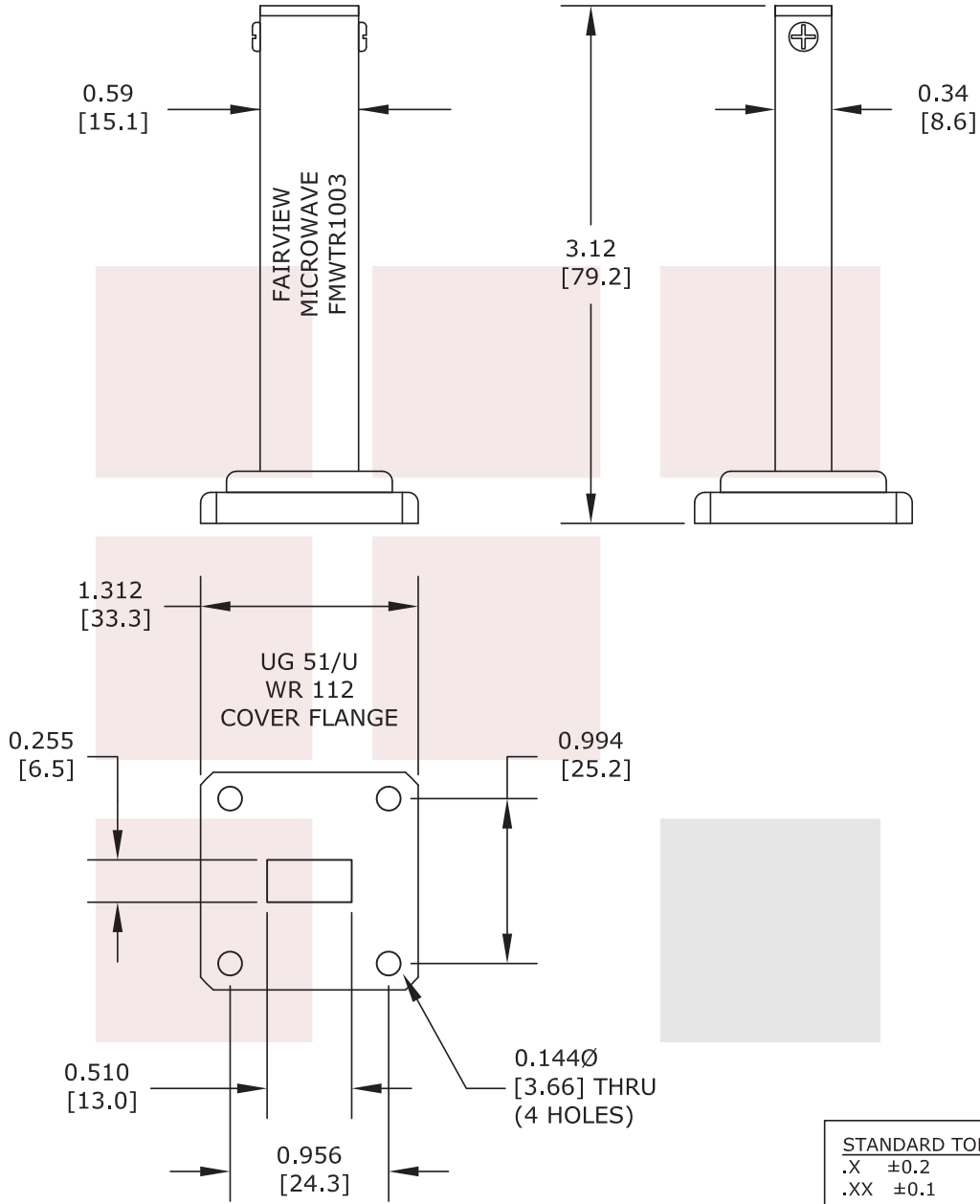


Commercial Grade WR-51 Waveguide Termination 1 Watt With a 15 GHz to 22 GHz Frequency Range from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Commercial Grade WR-51 Waveguide Termination 1 Watt With a 15 GHz to 22 GHz Frequency Range FMWTR1003](https://www.fairviewmicrowave.com/wr-51-waveguide-termination-1-watts-commercial-grade-15-22-ghz-fm-wtr1003-p.aspx)

URL: <https://www.fairviewmicrowave.com/wr-51-waveguide-termination-1-watts-commercial-grade-15-22-ghz-fm-wtr1003-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.1
.XXX	±0.05

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

<b>FAIRVIEW MICROWAVE INC.</b> ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].			
TITLE Commercial Grade WR-51 Waveguide Termination 1 Watt With a 15 GHz to 22 GHz Frequency Range		DWG NO FMWTR1003		CAGE CODE 3FKR5	
CAD FILE	010317	SHEET	SCALE	N/A	SIZE A 2233