

**Instrumentation Grade WR-15 Waveguide Termination 1 Watt With a 50 GHz to 75 GHz Frequency Range in Brass**

The SMW15TR1001 is a waveguide termination (load) that is part of a family of high performance loads with round flange per MIL-DTL-85. They are designed so that virtually all the applied power is absorbed, thus assuring a low VSWR. These standard terminations, offered in the Ka through W waveguide bands can dissipate 0.4 to 6 Watts of power depending on the specific band.

**Electrical Specifications**

Description	Min	Typ	Max	Units
Frequency Range	50		75	GHz
VSWR			1.2:1	
Input Power (CW)			1	Watts

**Mechanical Specifications**

Size		
Length	1.5 in [38.1 mm]	
Weight	0.044 lbs [19.96 g]	
Description	Flange	Waveguide
Designation	UG-385/U	WR-15
Type	Round Cover	
Material	Brass	Brass
Plating	Gold	Gold
Plating Spec.	ASTMB488	ASTMB488

Mechanical Specification Notes:  
 ASTMB488

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

**Plotted and Other Data**

Notes:



**Features:**

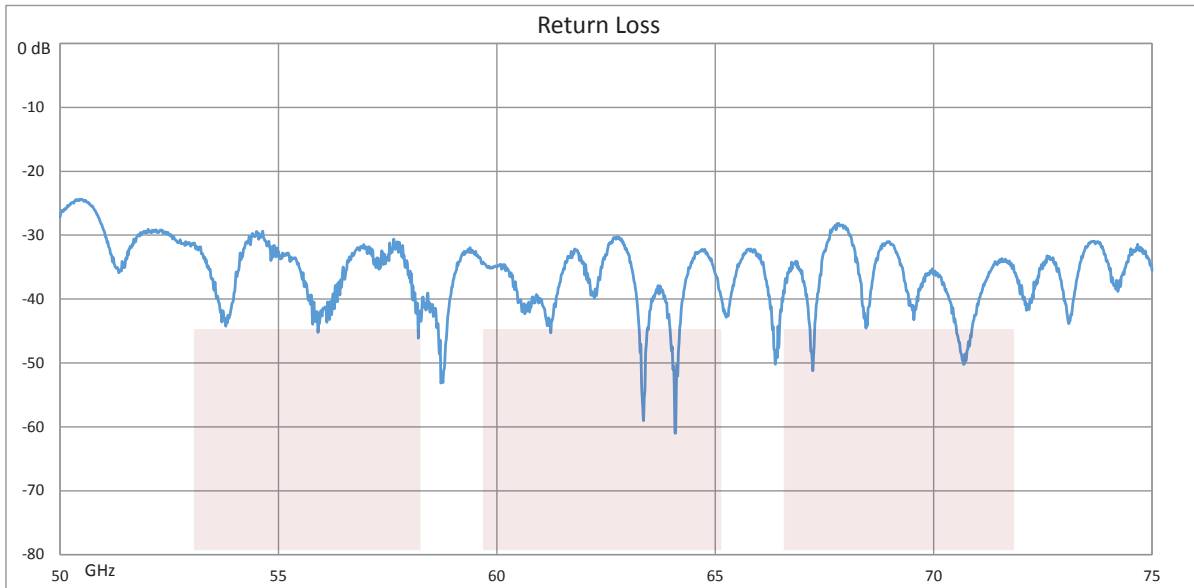
- WR-15
- 50 to 75 GHz
- UG-385/U Flange
- 1.20: 1 Maximum VSWR
- 1 Watts Average Power Handling

**Applications:**

- Instrumentation
- Precision measurements
- Prototyping and characterization
- Production Systems

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**Typical Performance Data**

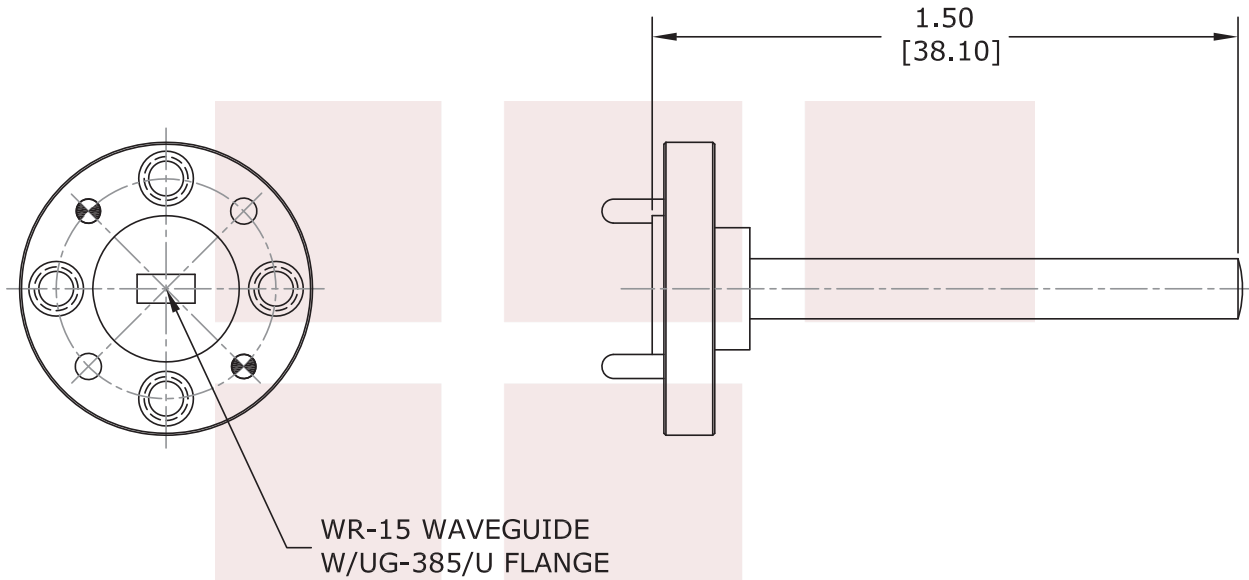


Instrumentation Grade WR-15 Waveguide Termination 1 Watt With a 50 GHz to 75 GHz Frequency Range in Brass from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Instrumentation Grade WR-15 Waveguide Termination 1 Watt With a 50 GHz to 75 GHz Frequency Range in Brass SMW15TR1001](#)

URL: <https://www.fairviewmicrowave.com/wr-15-waveguide-termination-1-watts-50-75-ghz-smw15tr1001-p.aspx>

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UNLESS OTHERWISE SPECIFIED:  
 DIMENSIONS ARE IN: inches  
 TOLERANCES ARE: [mm]  
 .XX ± .10 [± 2.54]  
 .XXX ± .005 [± .127]

\* THESE DIMENSIONS AND TOLERANCES  
 SUPERSEDE NOTE #1 ON TITLE BLOCK.

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TITLE Instrumentation Grade WR-15 Waveguide Termination 1 Watt With a 50 GHz to 75 GHz Frequency Range in Brass	DWG NO SMW15TR1001	CAGE CODE 3FKR5			
	CAD FILE 121515	SHEET	SCALE N/A	SIZE A	2233