

Instrumentation Grade WR-28 Waveguide Termination 5 Watts With a 26.5 GHz to 40 GHz Frequency Range in Brass

The SMW28TR1001 is a waveguide termination (load) that is part of a family of high performance loads with square cover 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	26.5		40	GHz
VSWR			1.07:1	
Input Power (CW)			5	Watts

Mechanical Specifications

Size		
Length	2 in [50.8 mm]	
Weight	0.0595 lbs [26.99 g]	
Description	Flange	Waveguide
Designation	UG-599/U	WR-28
Type	Square 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:

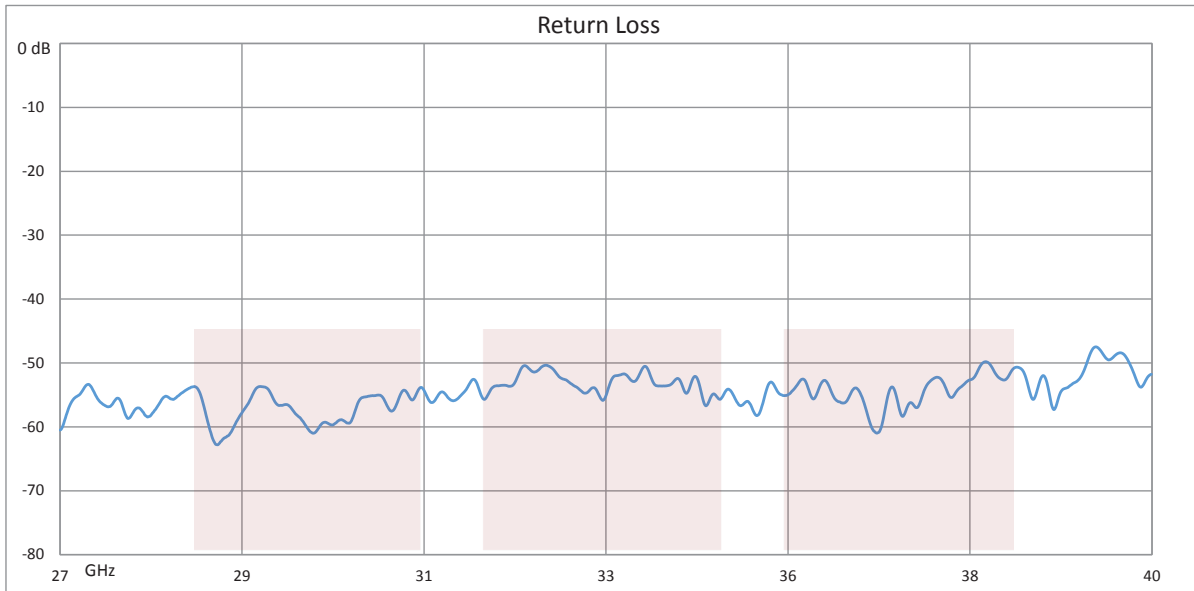
- WR-28
- 26.5 to 40 GHz
- UG-599/U Flange
- 1.07:1 Maximum VSWR
- 5 Watts Average Power Handling

Applications:

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

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Typical Performance Data

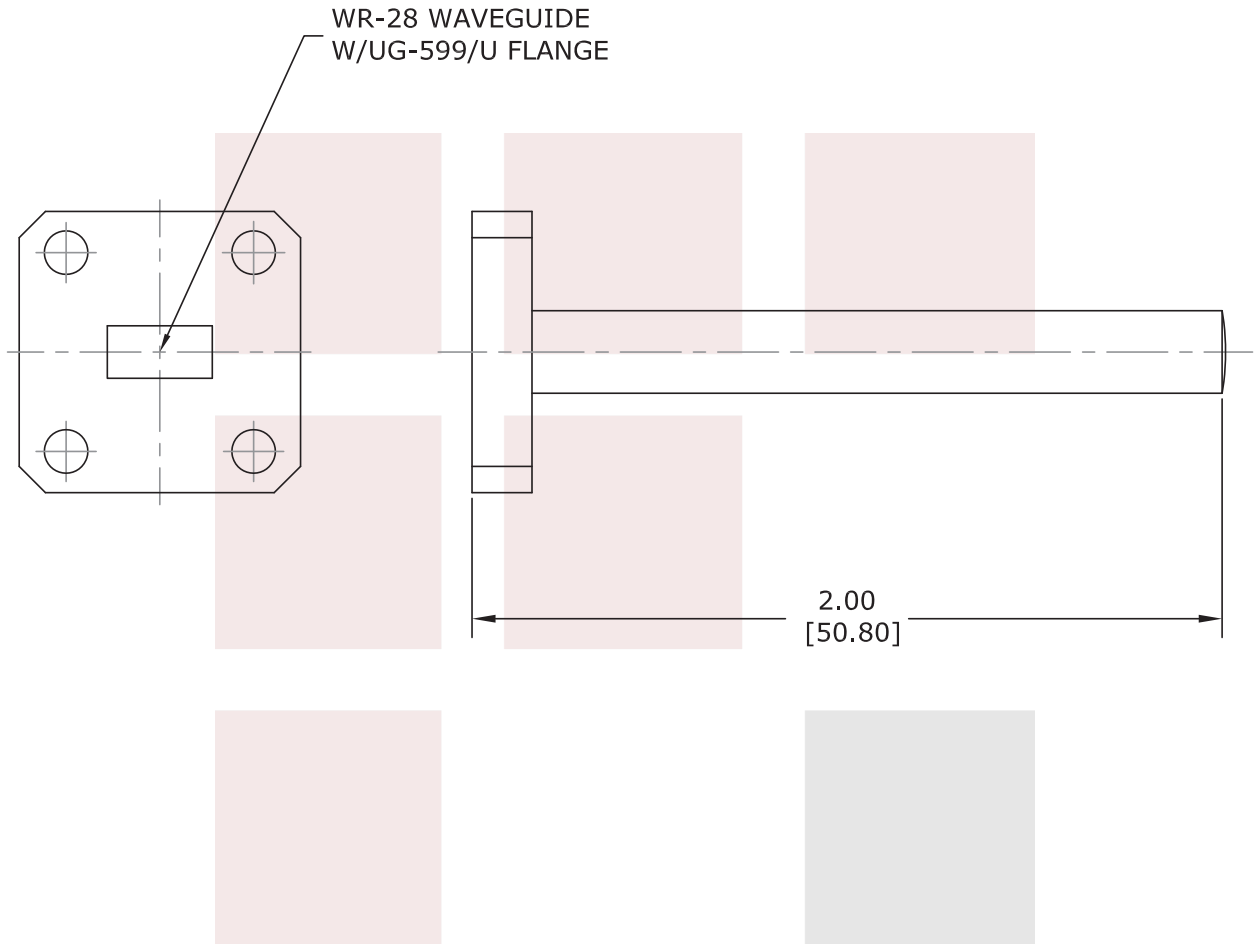


Instrumentation Grade WR-28 Waveguide Termination 5 Watts With a 26.5 GHz to 40 GHz Frequency Range in Brass from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Instrumentation Grade WR-28 Waveguide Termination 5 Watts With a 26.5 GHz to 40 GHz Frequency Range in Brass SMW28TR1001](#)

URL: <https://www.fairviewmicrowave.com/wr-28-waveguide-termination-5-watts-26.5-40-ghz-smw28tr1001-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-28 Waveguide Termination 5 Watts With a 26.5 GHz to 40 GHz Frequency Range in Brass	DWG NO SMW28TR1001	CAGE CODE 3FKR5			
CAD FILE 121515	SHEET	SCALE N/A	SIZE A	2233	